



09966497 .102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

1/80

FIG. 1A

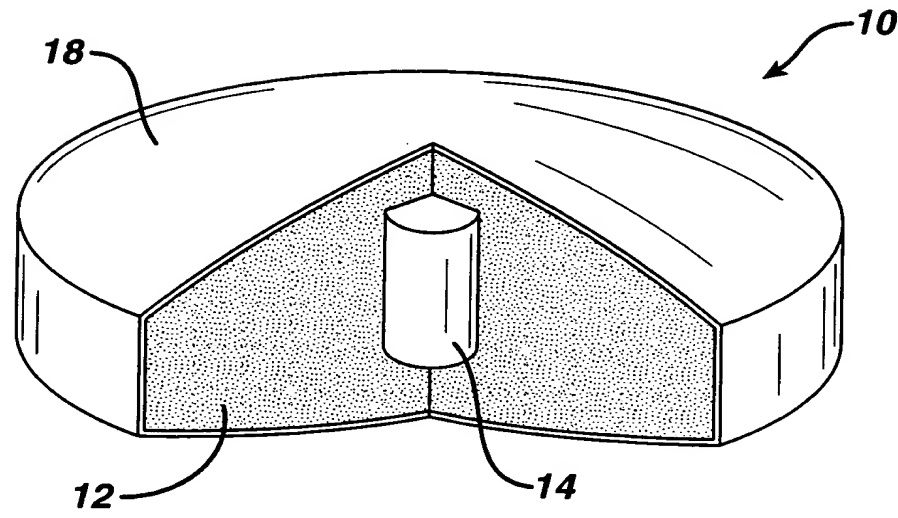
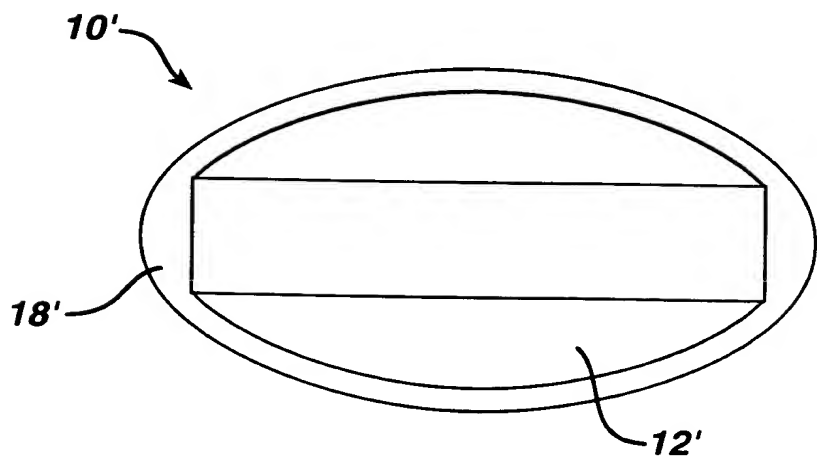


FIG. 1B

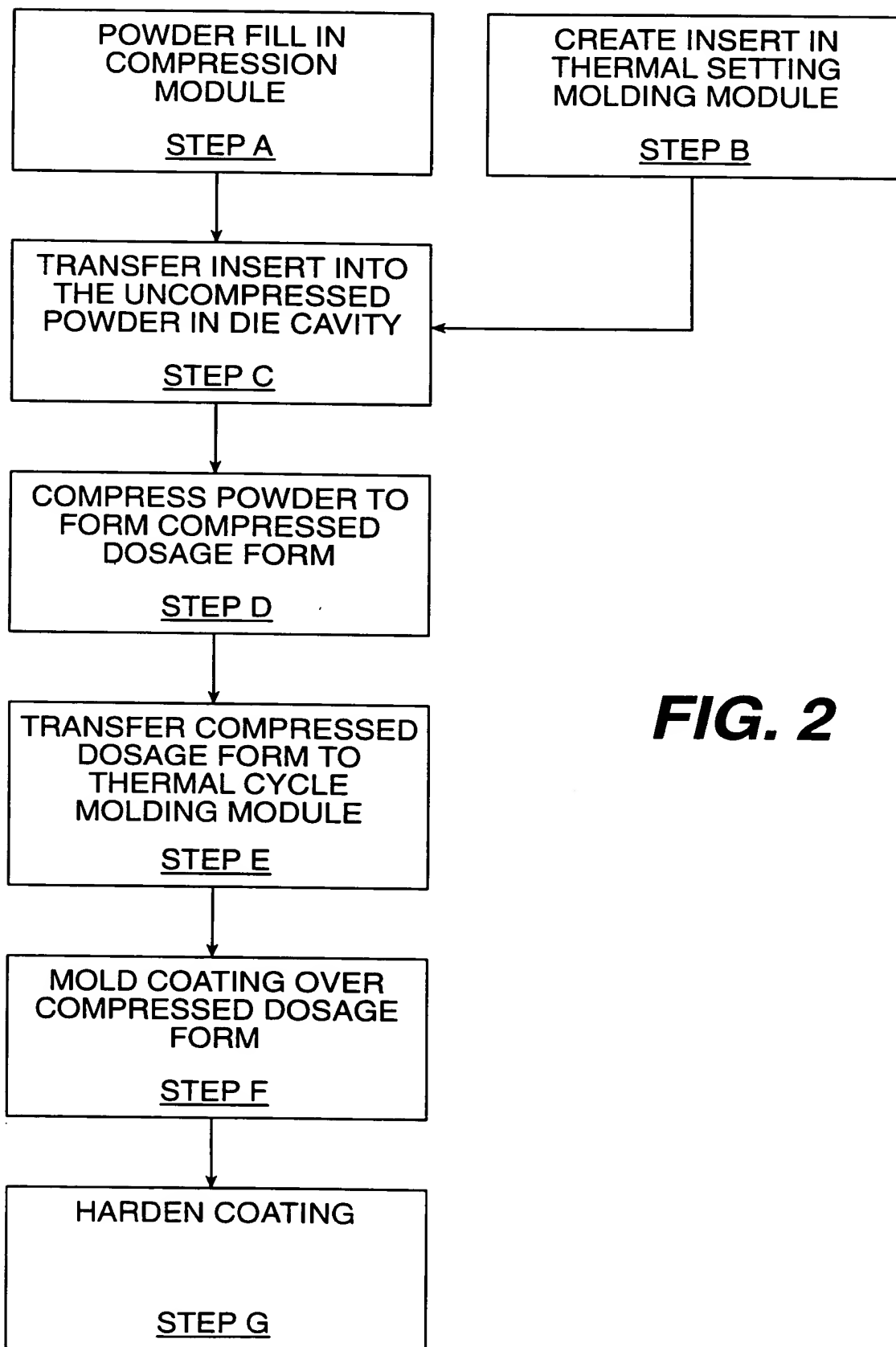




09966497.102902

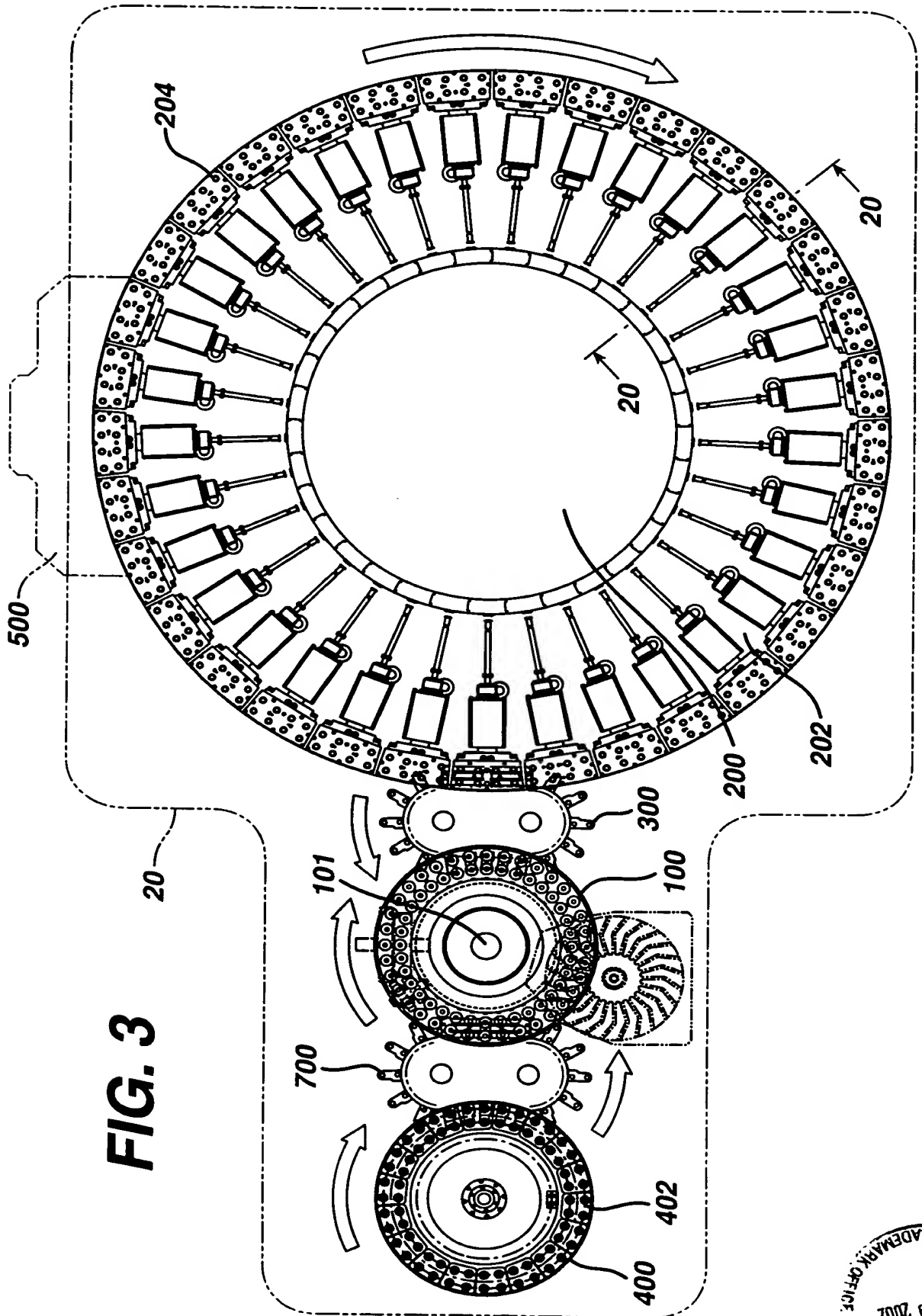
TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

2/80

**FIG. 2**

TITLE: THERMAL CYCLE MOLDING
 INVENTOR(S): Sowden, et al.
 APP#: 09/966,497
 ATTY: S. E. Hayner TEL. #: 732-524-2242
 DOCKET #: MCP-0294 CUST. #: 000027777

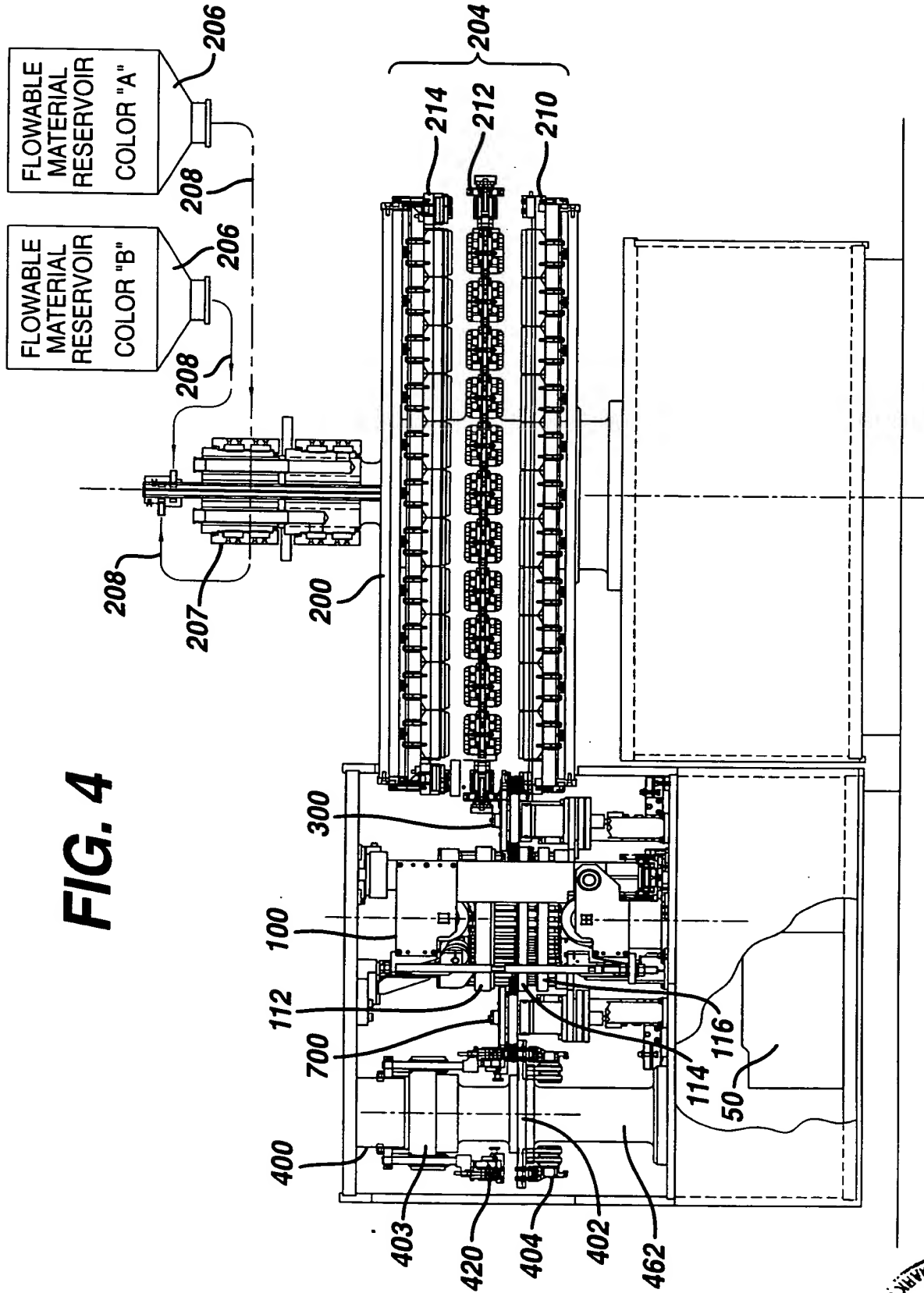
3/80



TITLE: THERMAL CYCLE MOLDING
 INVENTOR(S): Sowden, et al.
 APP#: 09/966,497
 ATTY: S. E. Hayner TEL. #: 732-524-2242
 DOCKET #: MCP-0294 CUST. #: 000027777

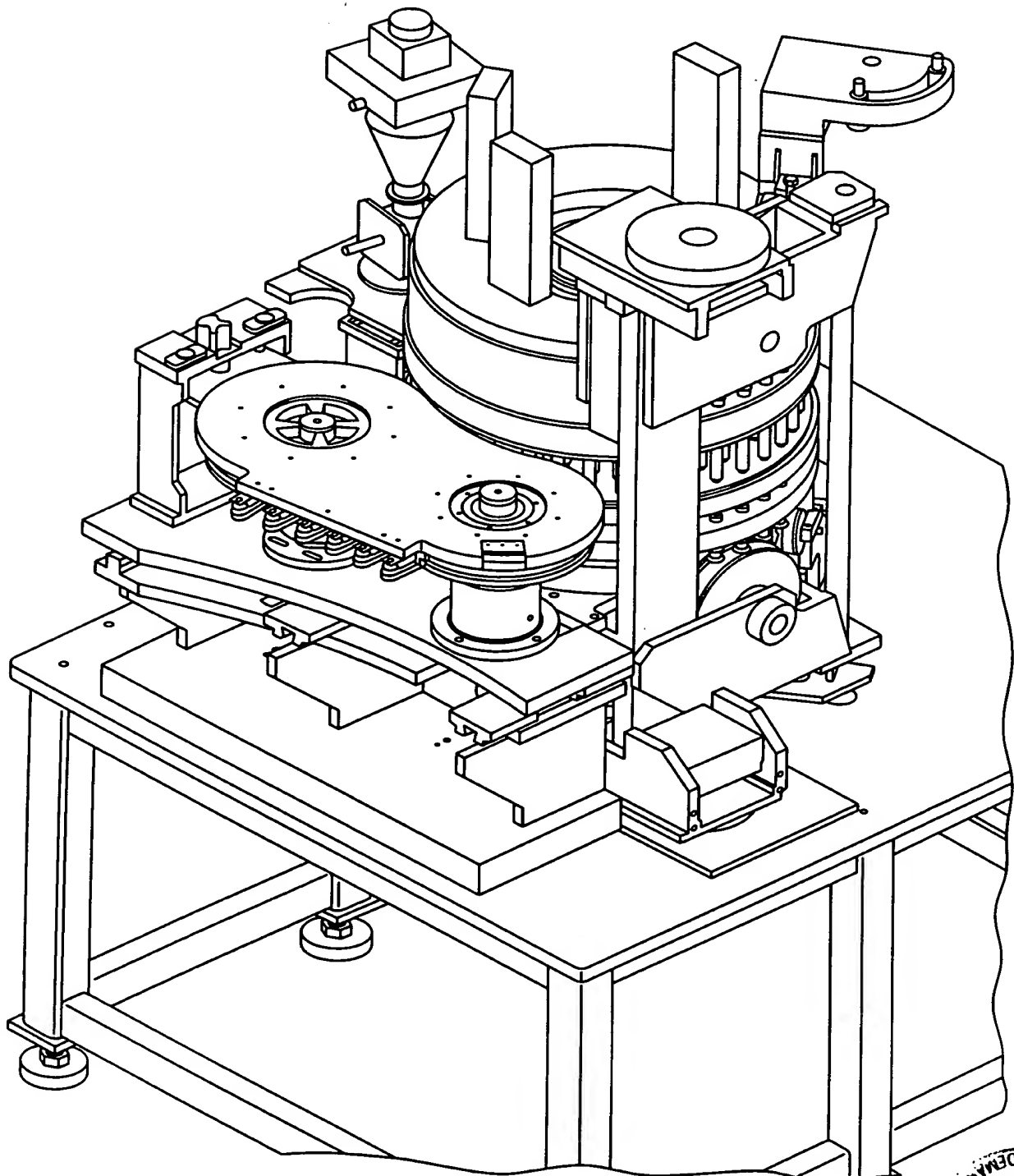
4/80

FIG. 4



TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

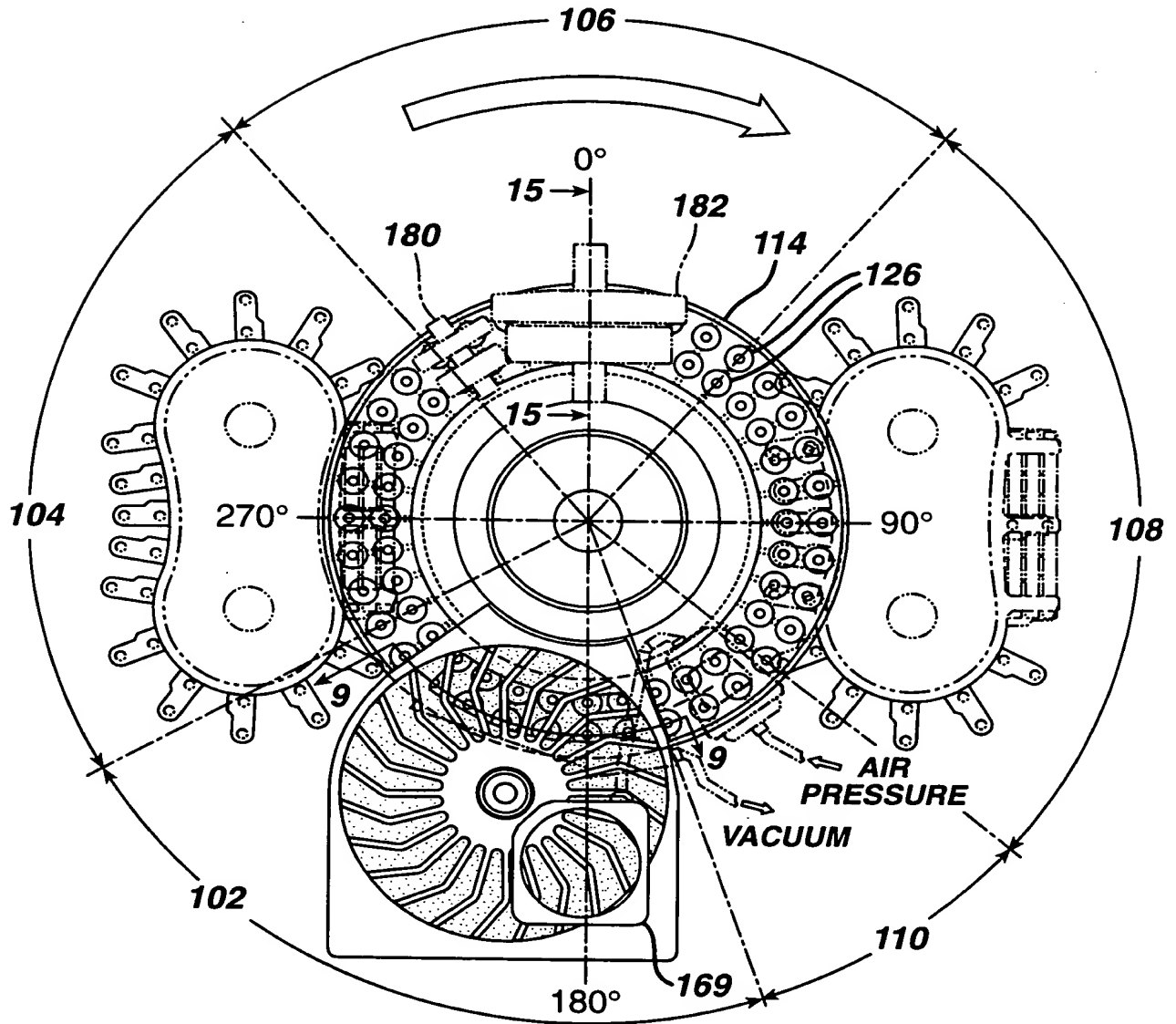
5/80

FIG. 5

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner **TEL. #: 732-524-2242**
DOCKET #: MCP-0294 **CUST. #: 000027777**

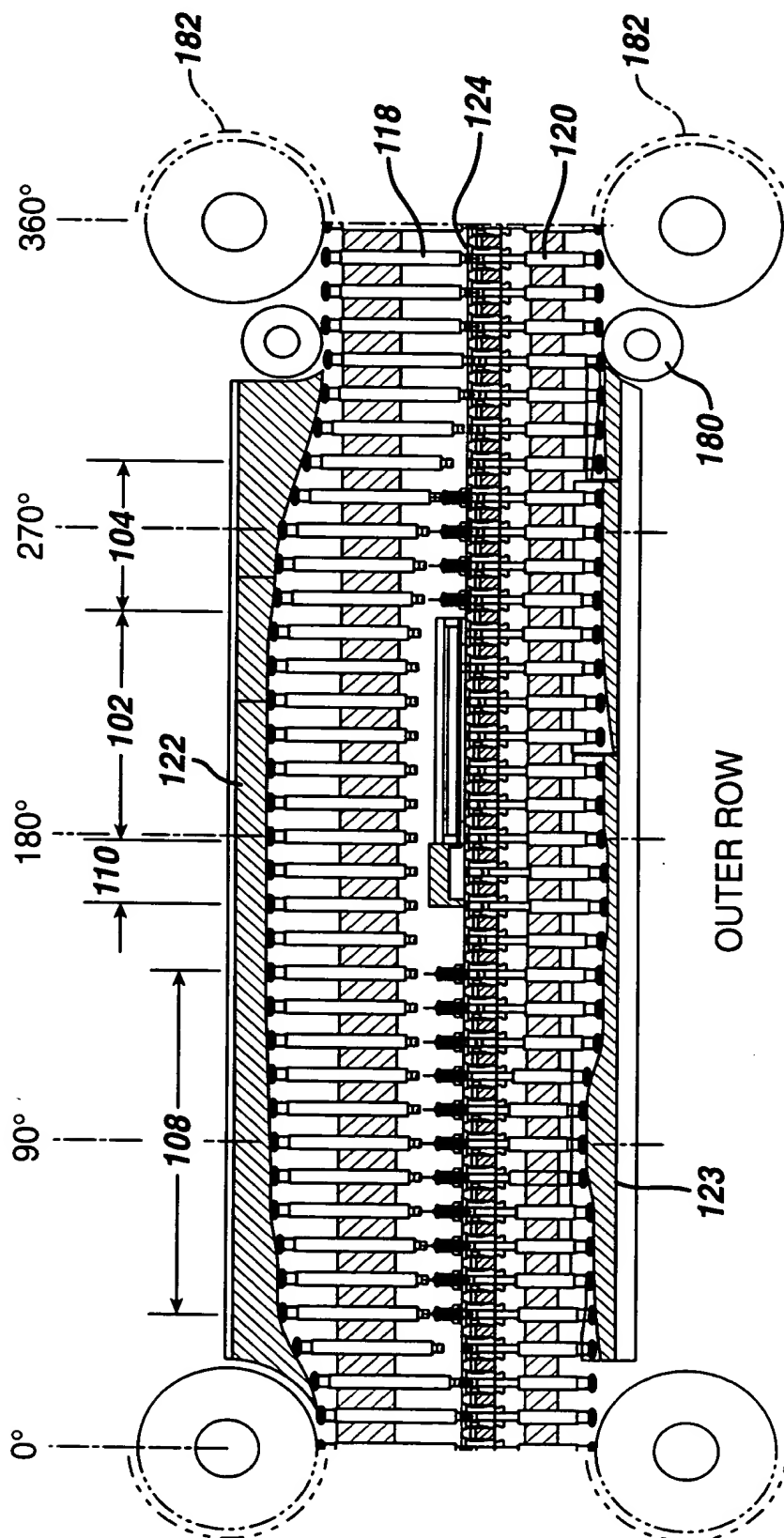
6/80

FIG. 6



TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner **TEL. #: 732-524-2242**
DOCKET #: MCP-0294 **CUST. #: 000027777**

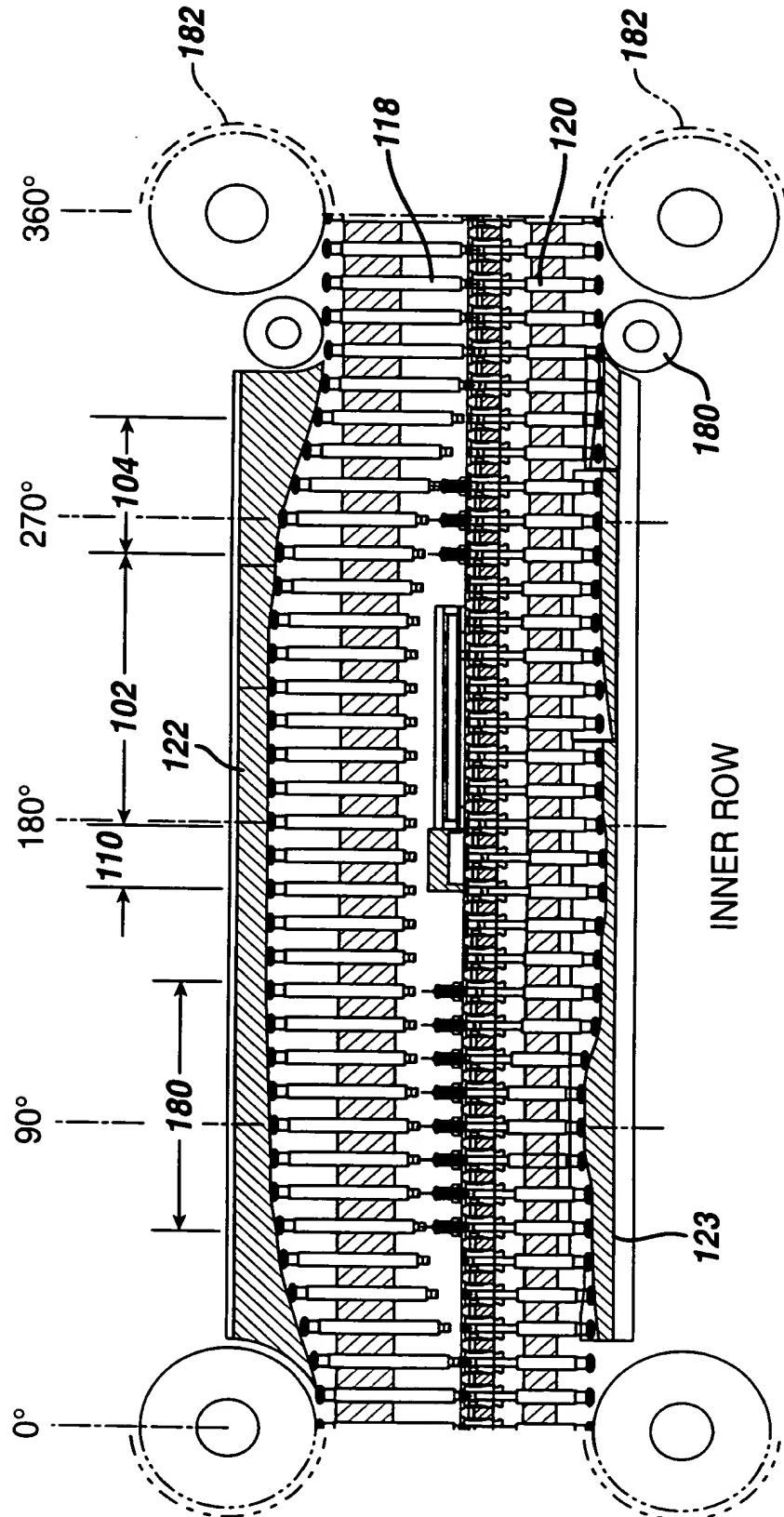
FIG. 7



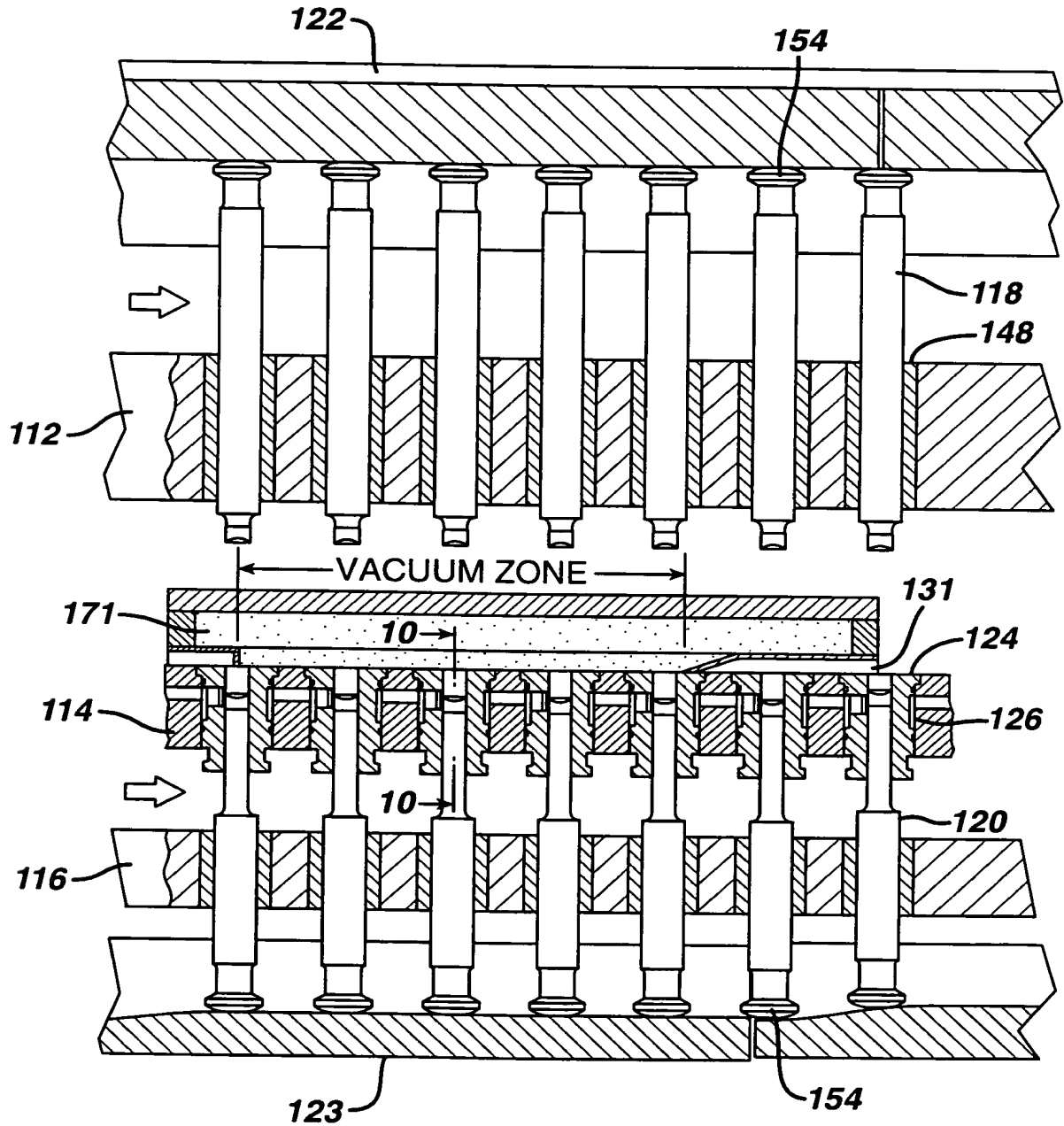
TITLE: THERMAL CYCLE MOLDING
 INVENTOR(S): Sowden, et al.
 APP#: 09/966,497
 ATTY: S. E. Hayner TEL. #: 732-524-2242
 DOCKET #: MCP-0294 CUST. #: 00002777

8/80

FIG. 8



9/80

FIG. 9



09966497 . 102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

10/80

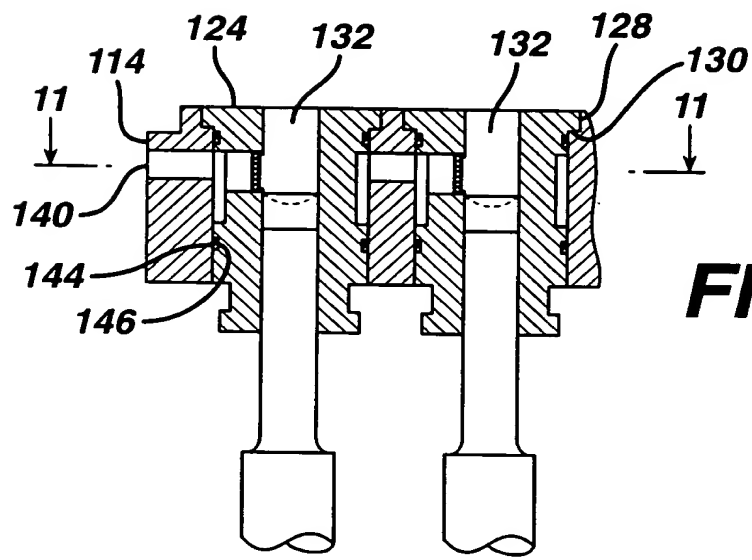


FIG. 10

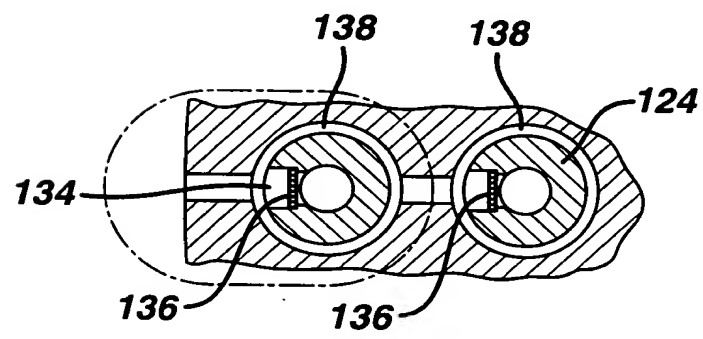


FIG. 11

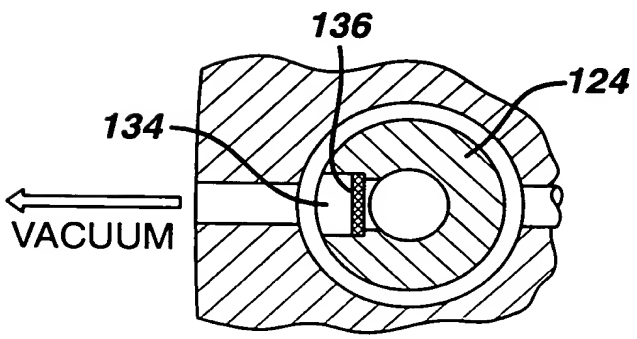


FIG. 12

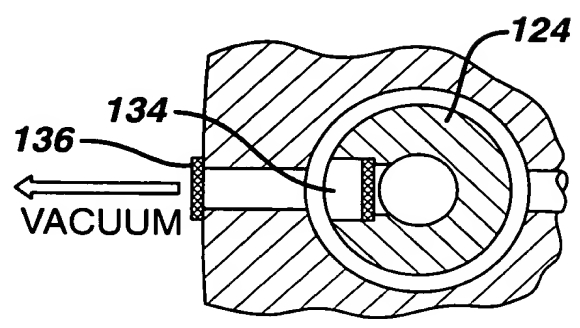


FIG. 12A

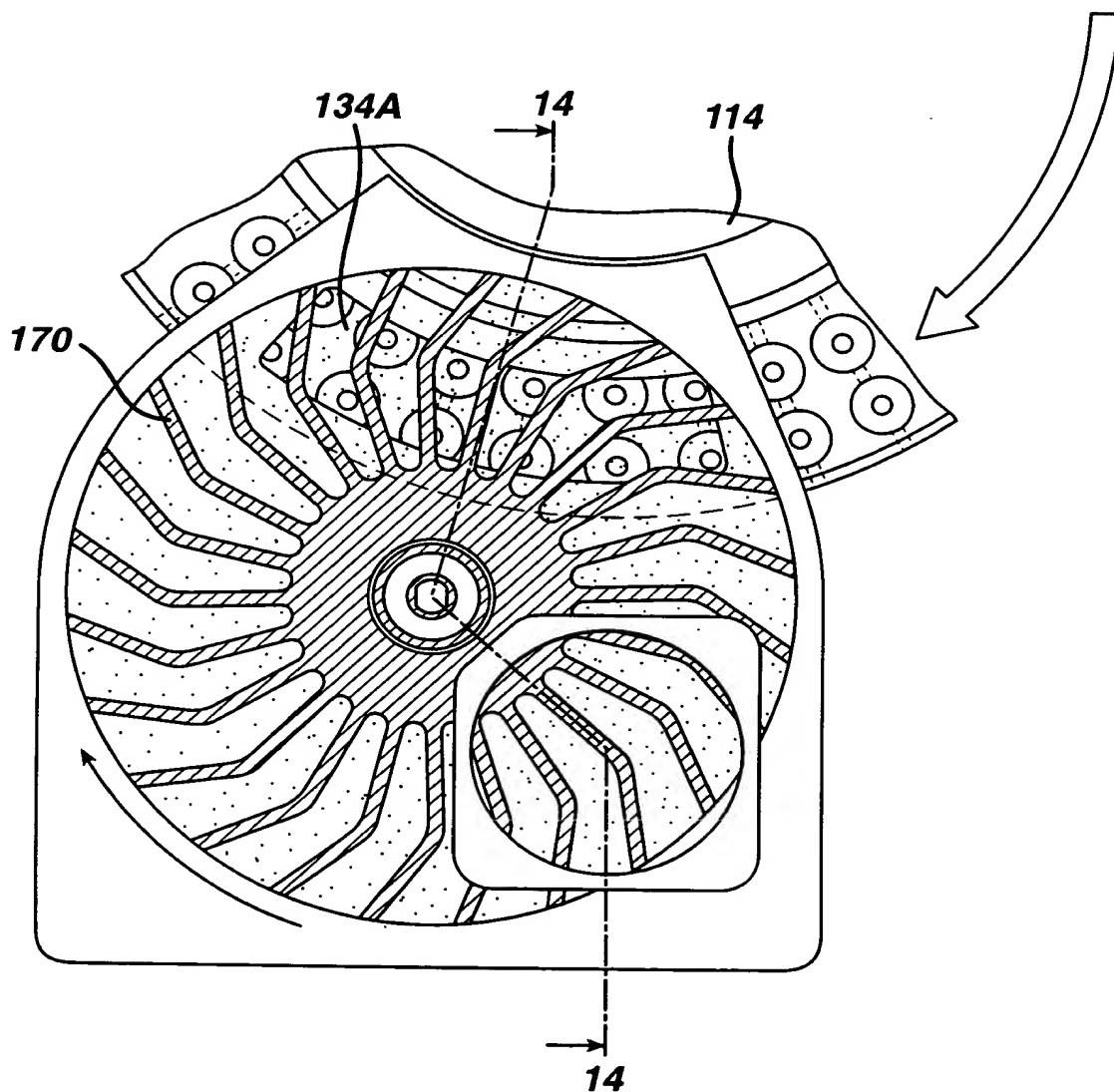


09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

11/80

FIG. 13



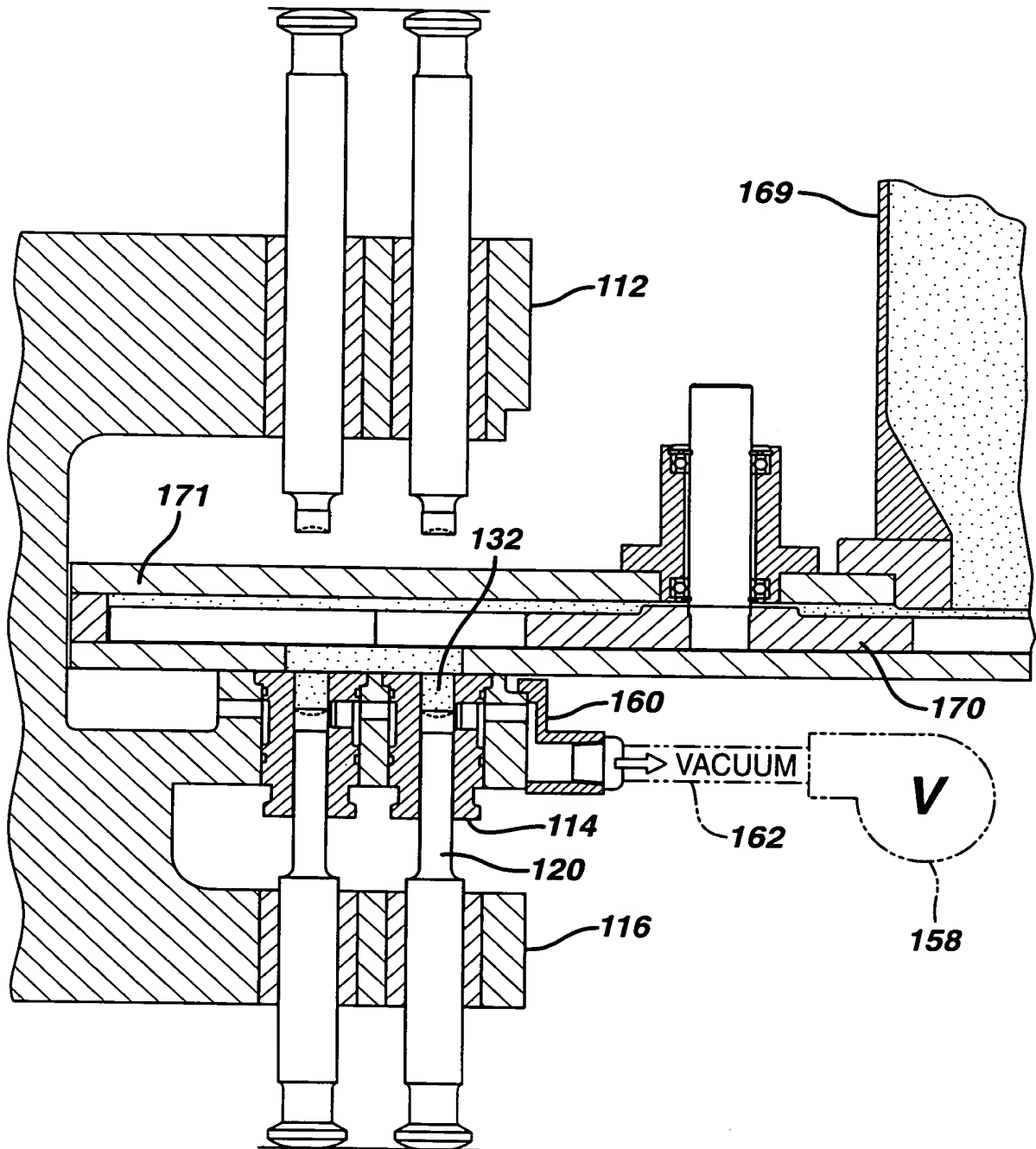


09966497 . 102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

12/80

FIG. 14





09966497 . 102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

13/80

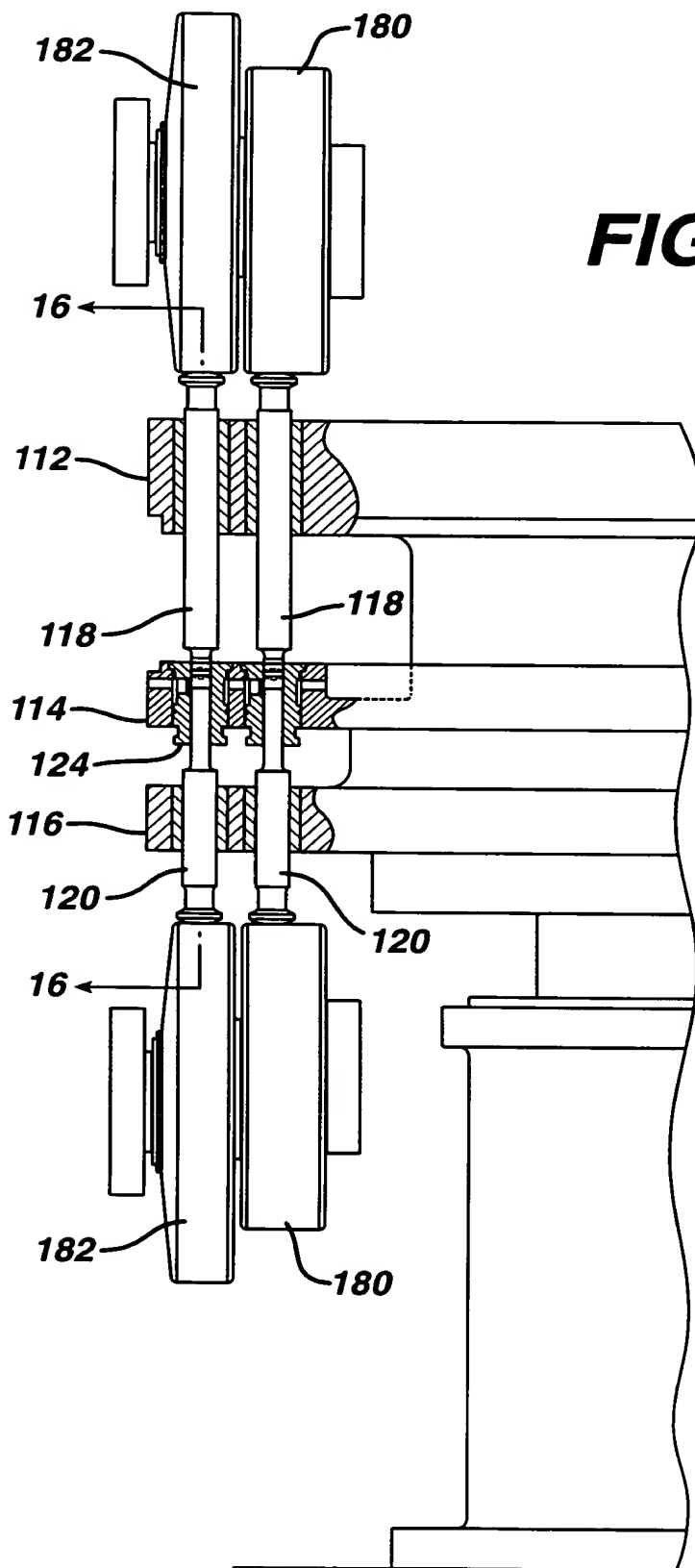
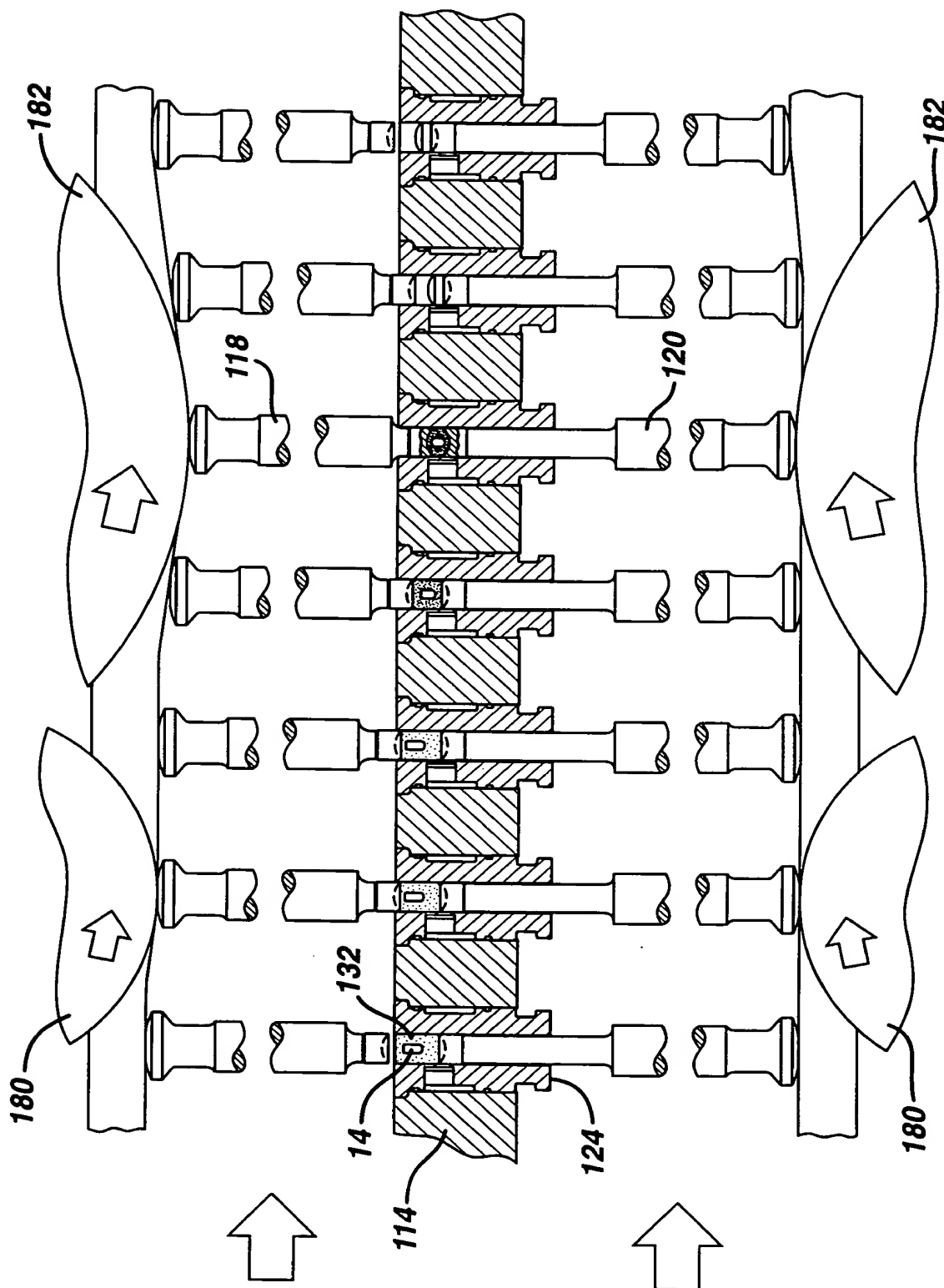


FIG. 15

FIG. 16



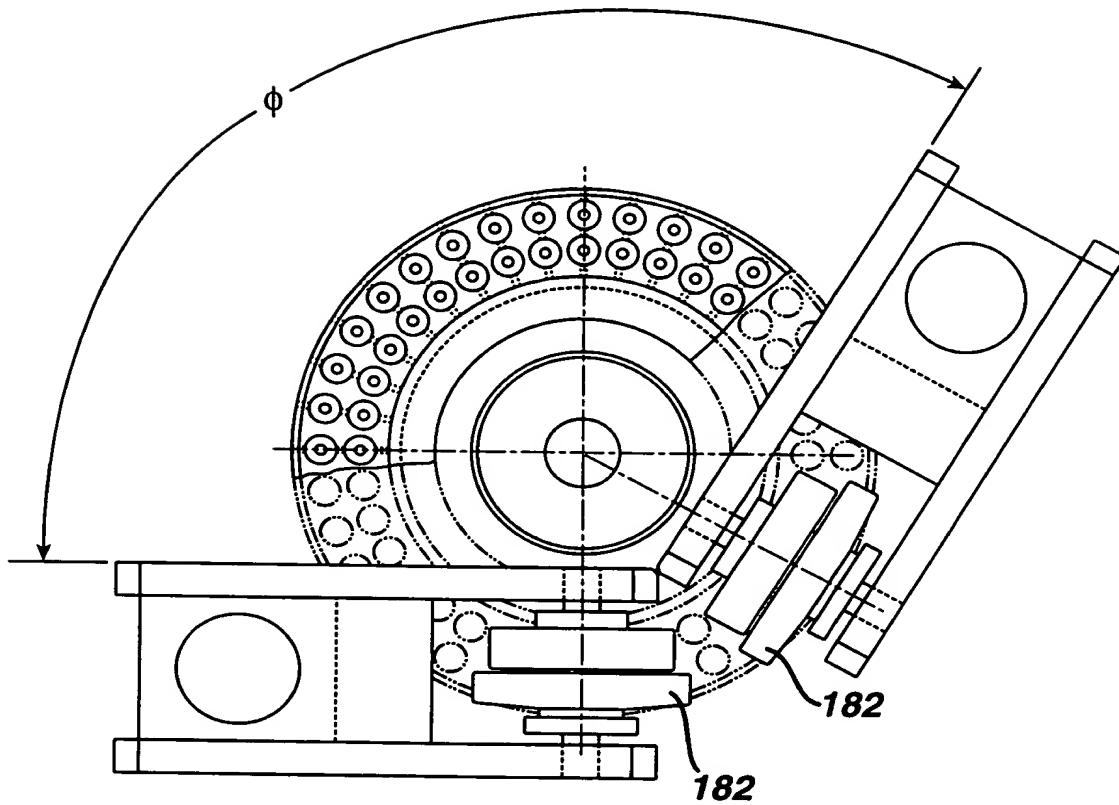


09966497 . 102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

15/80

FIG. 17A





09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner
DOCKET #: MCP-0294
TEL. #: 732-524-2242
CUST. #: 000027777

FIG. 17C

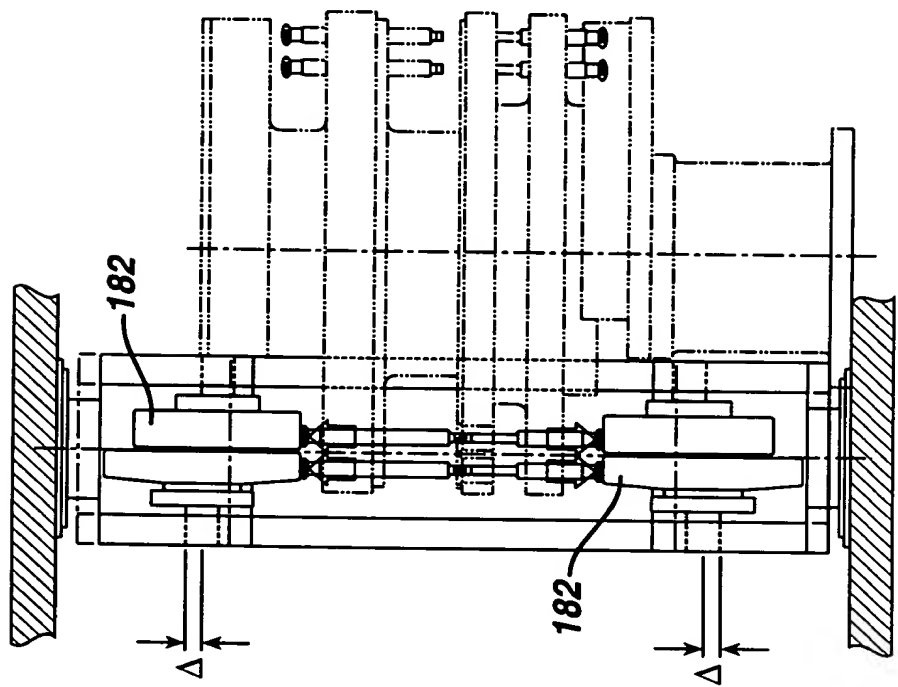
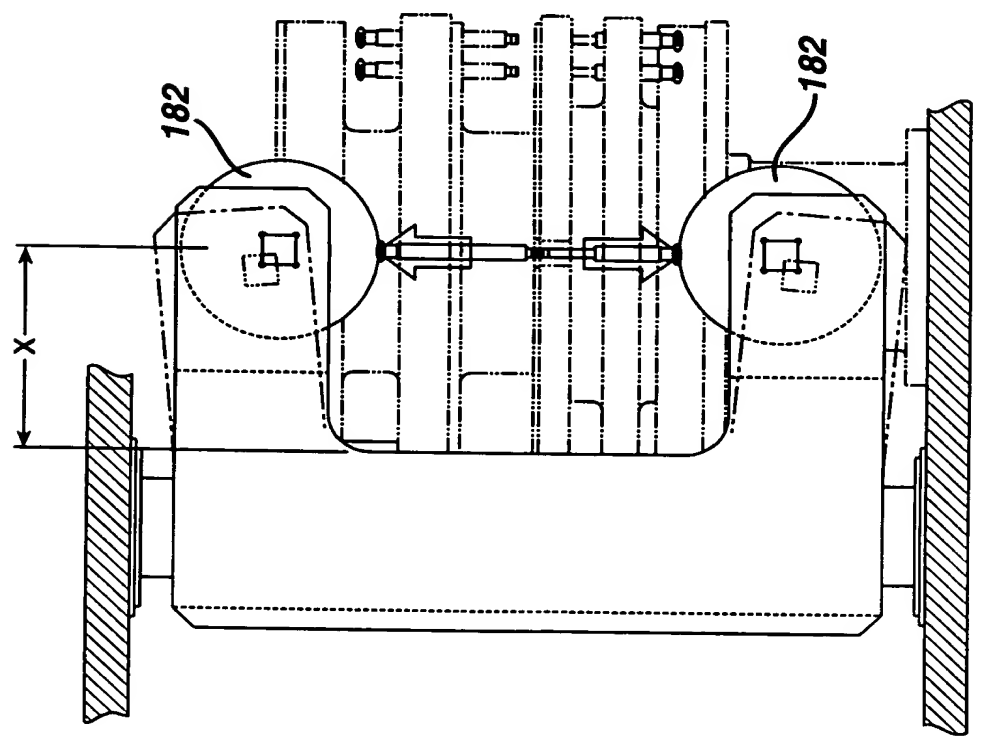
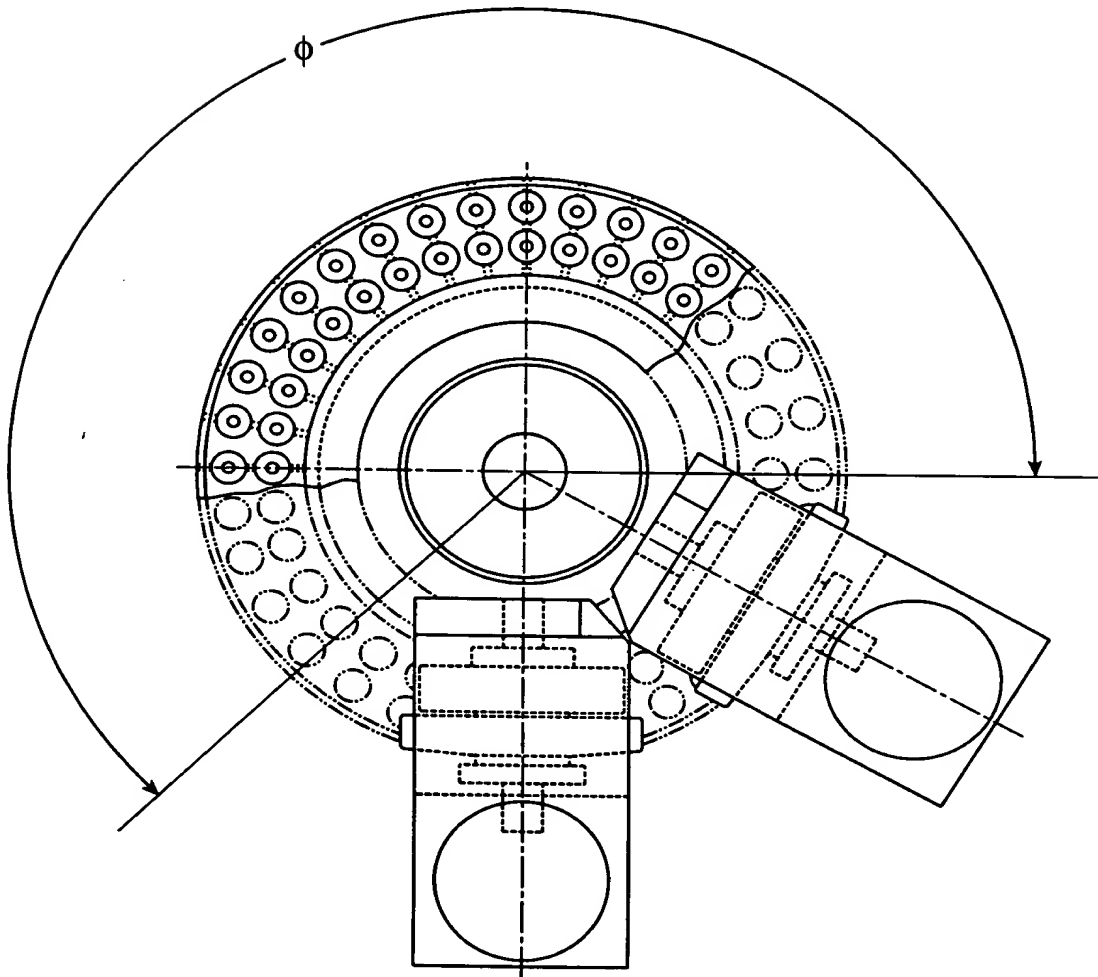


FIG. 17B



TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

17/80

FIG. 18A



09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

18/80

FIG. 18C

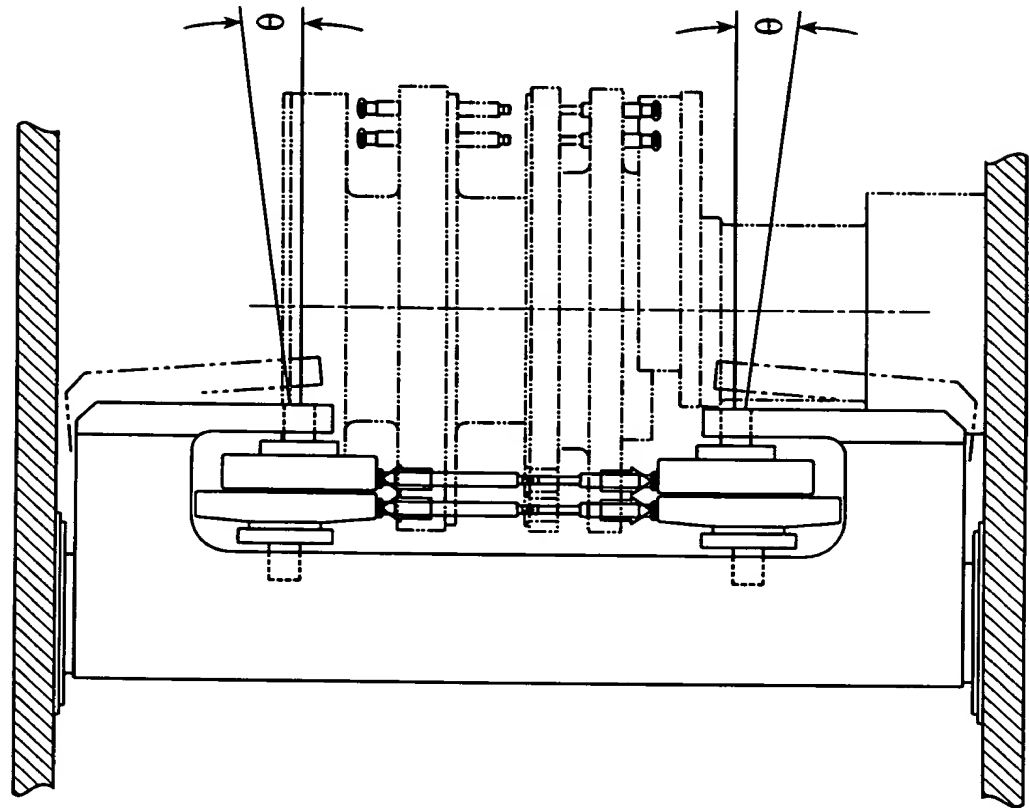
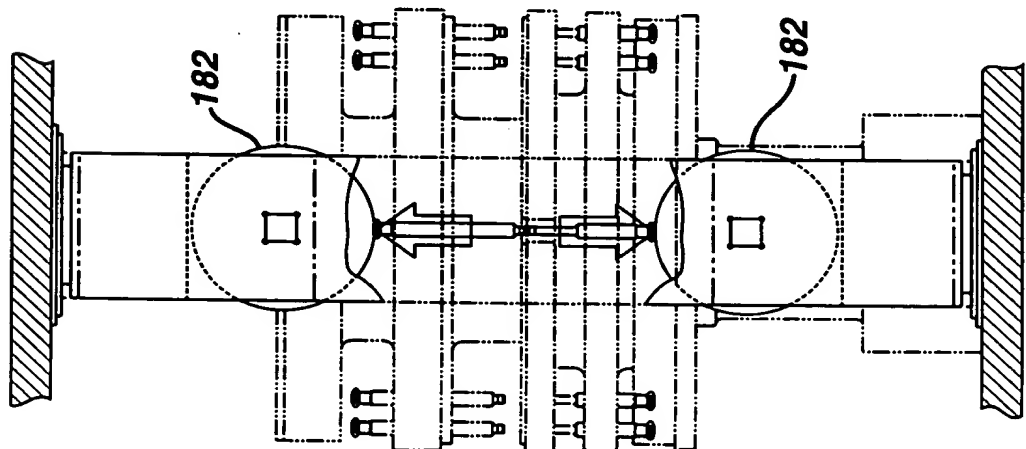


FIG. 18B



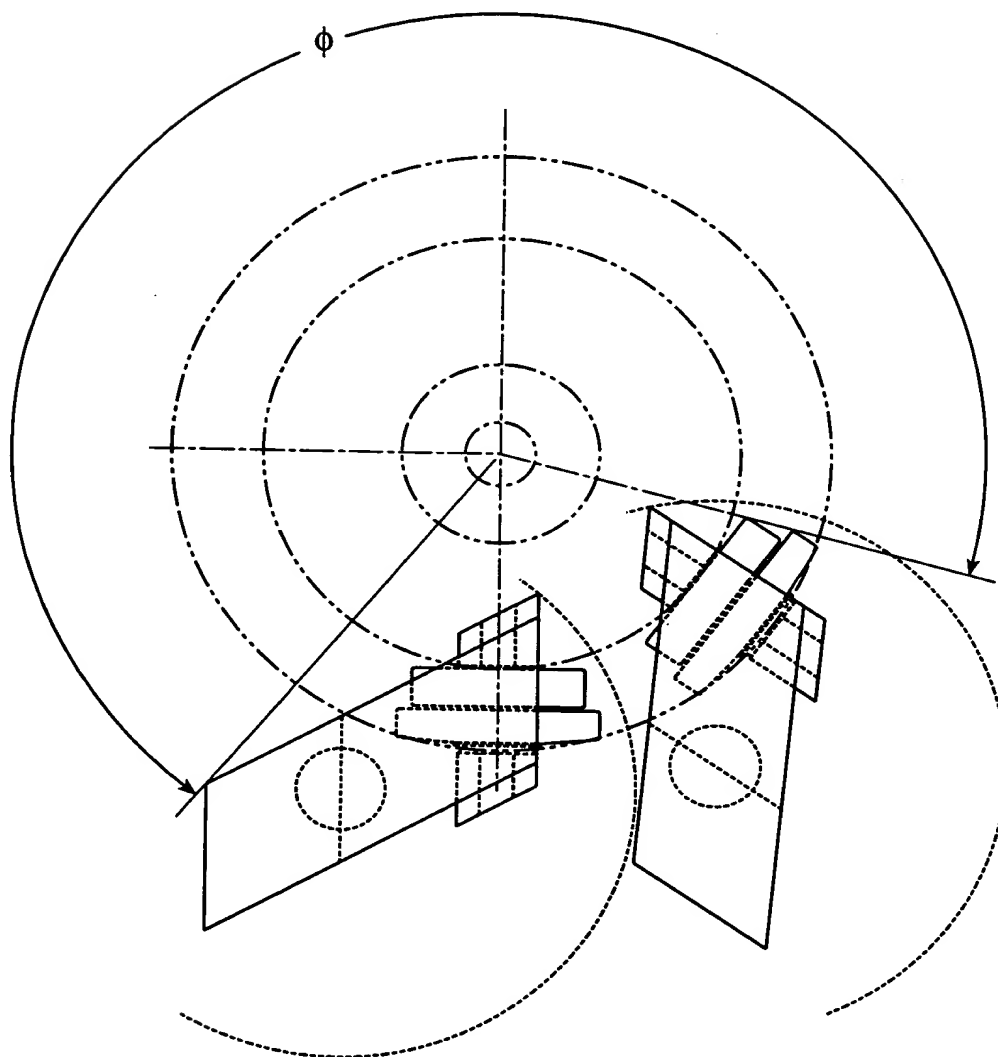


09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

19/80

FIG. 19A



20/80

The diagram shows a mechanical assembly with a central shaft and multiple impellers or blades. The assembly is supported by a base 179 and two side supports 178. Two circular components 182 are positioned on the shaft. Dimensions Δ and Θ are indicated at the top and bottom of the assembly.

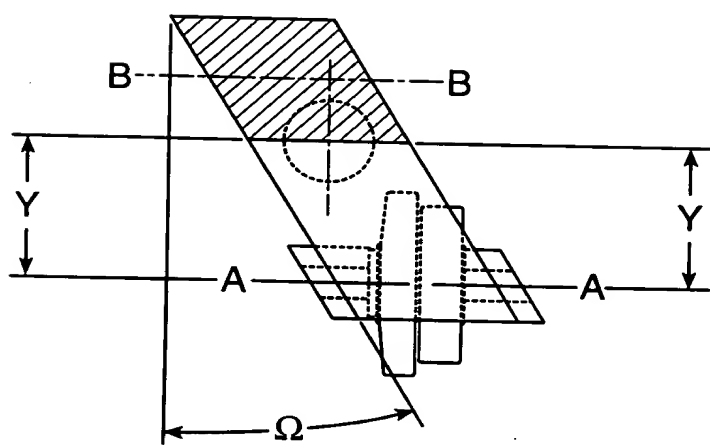


09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

21/80

FIG. 19D



TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner **TEL. #: 732-524-2242**
DOCKET #: MCP-0294 **CUST. #: 000027777**

22/80

FIG. 20

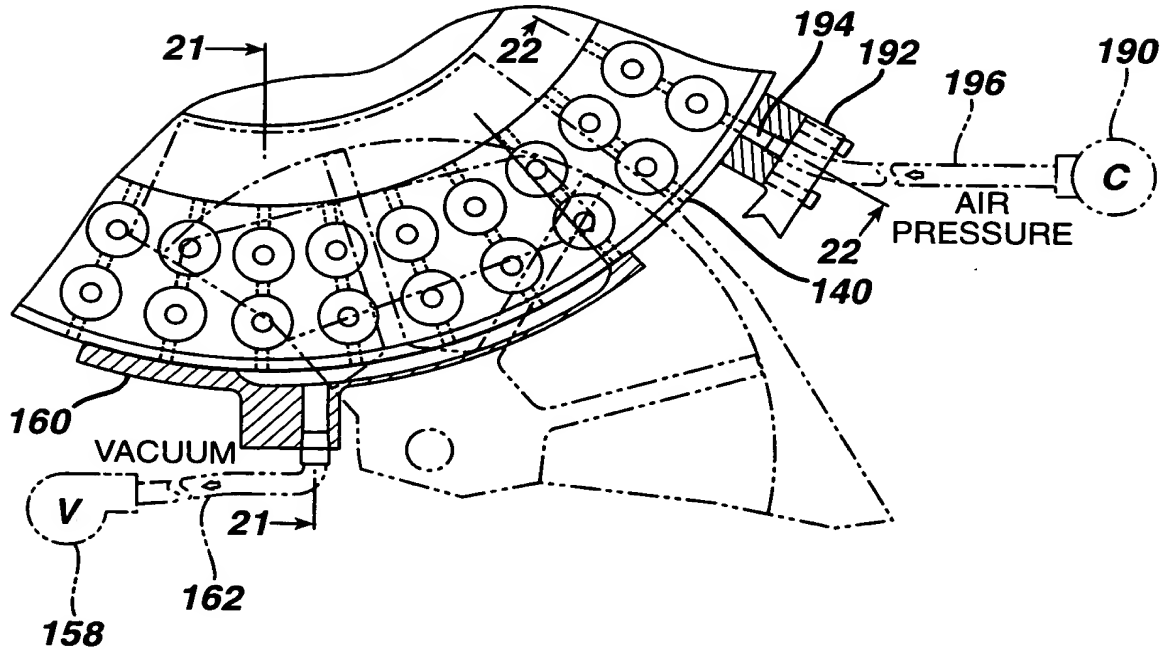


FIG. 21

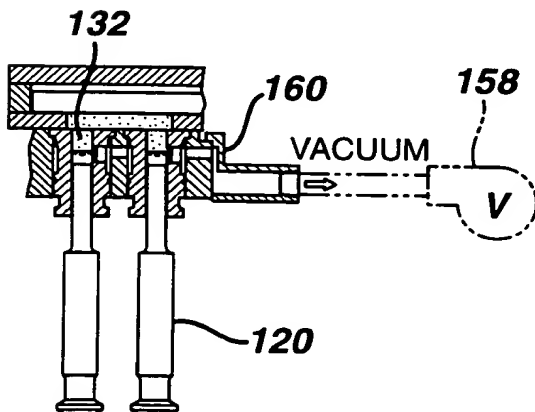
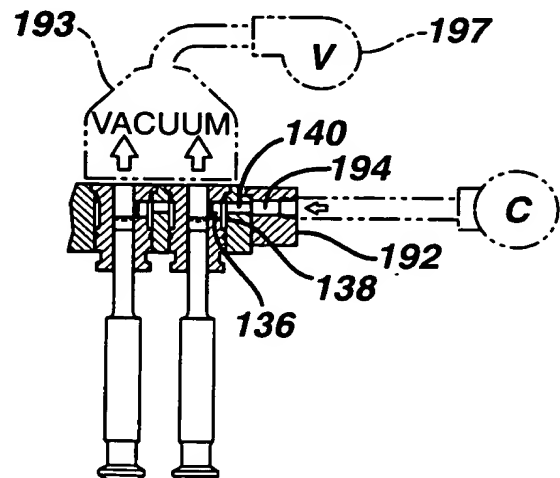
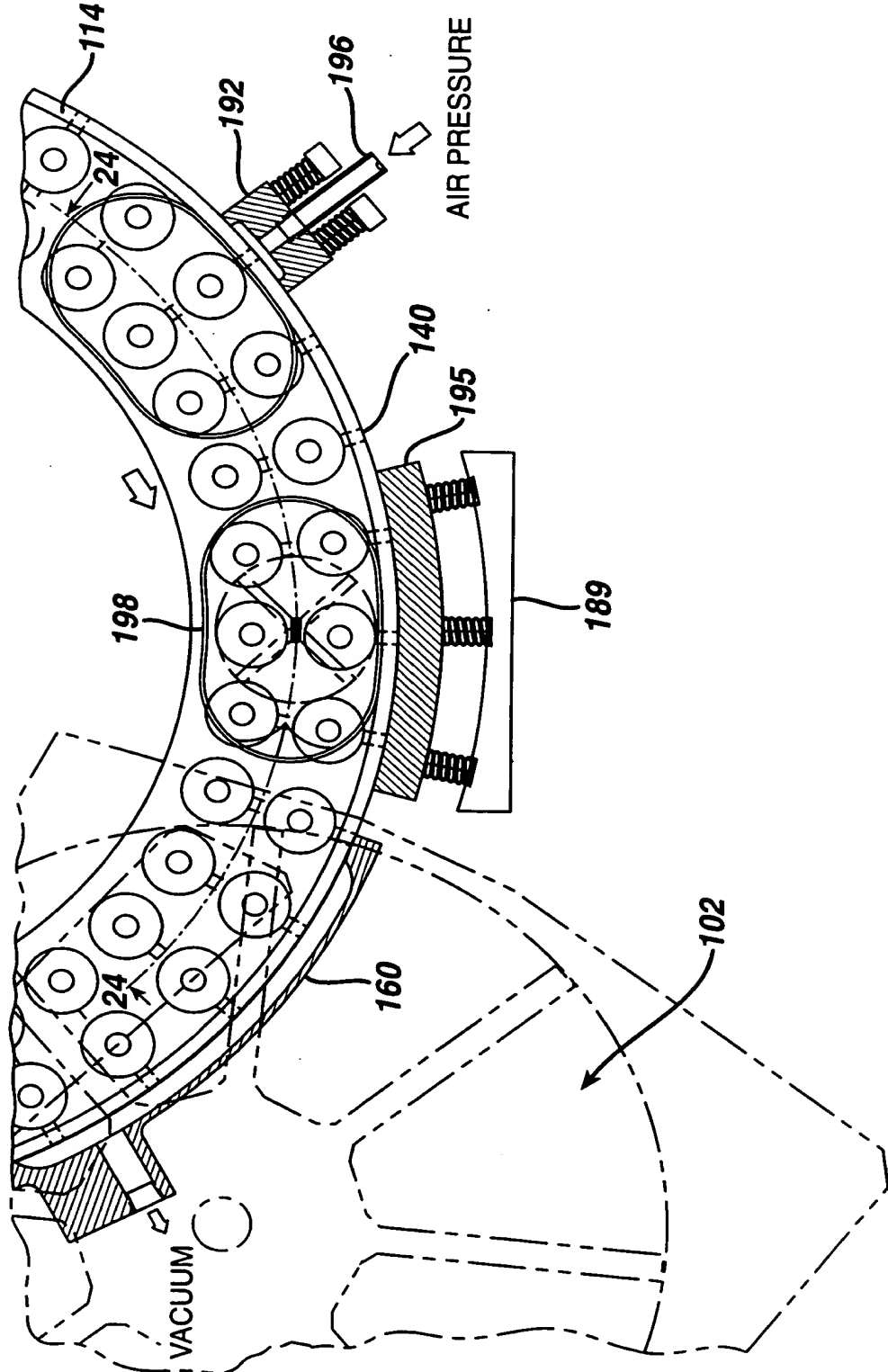


FIG. 22



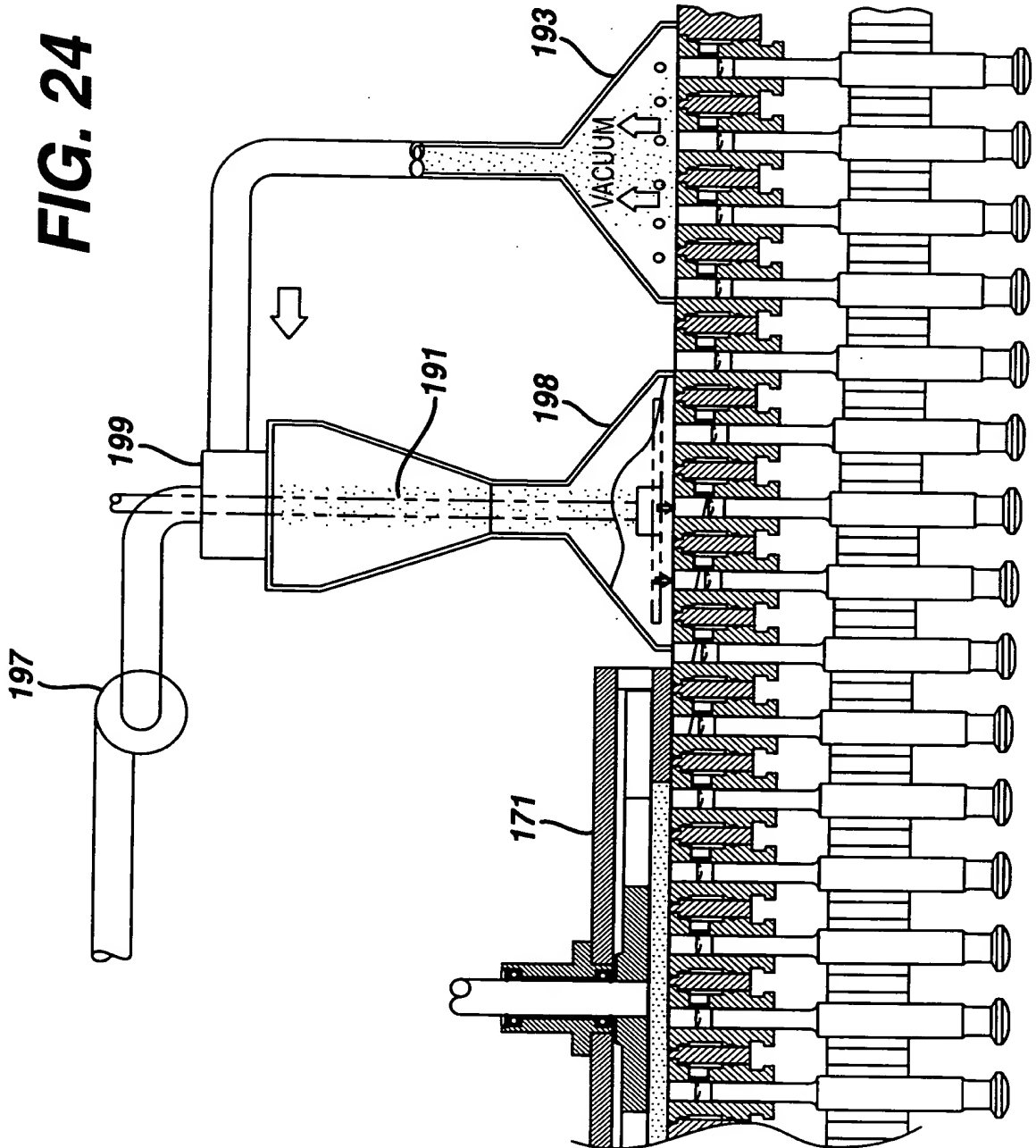
23/80

FIG. 23



24/80

FIG. 24

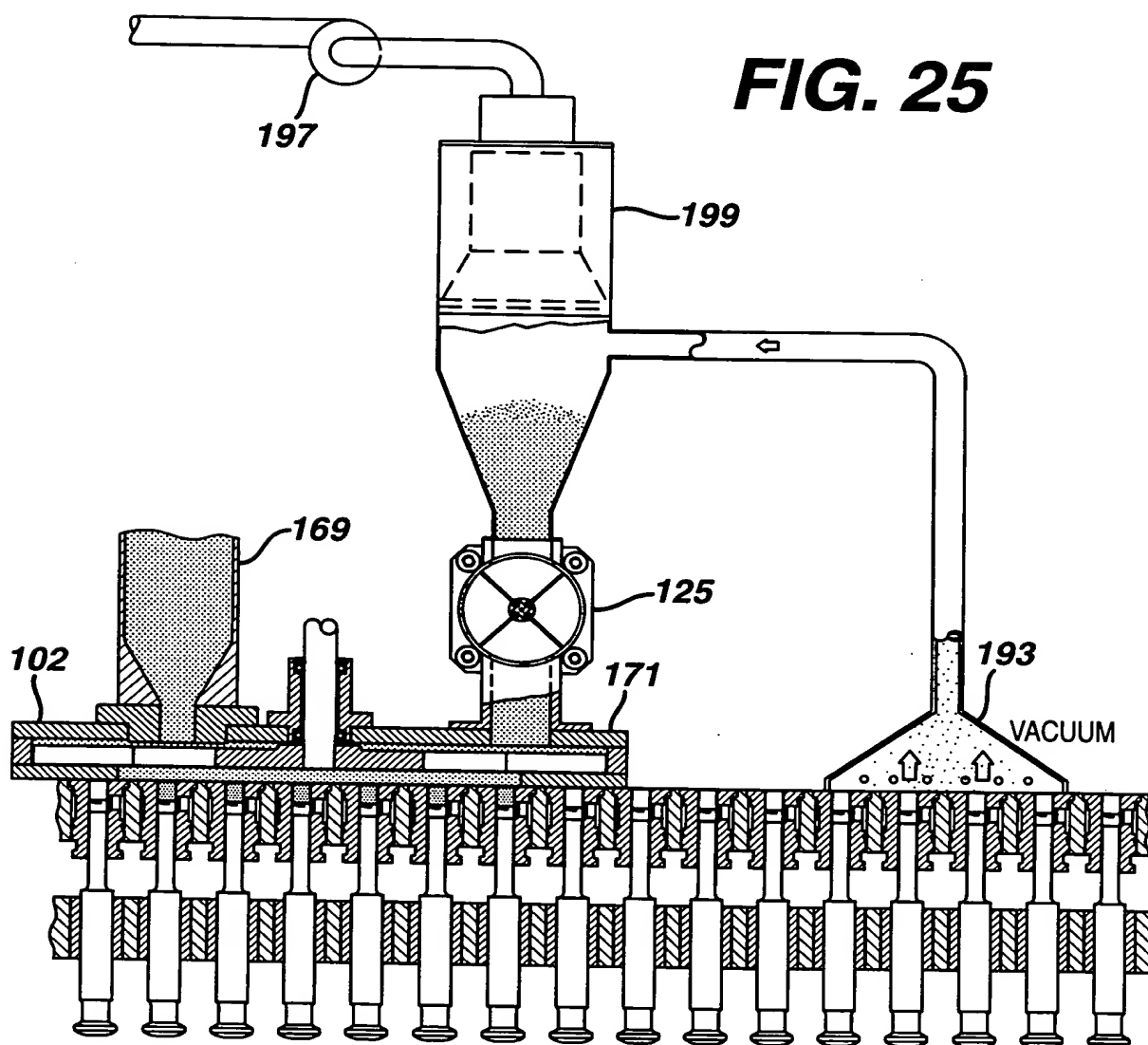




09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

25/80

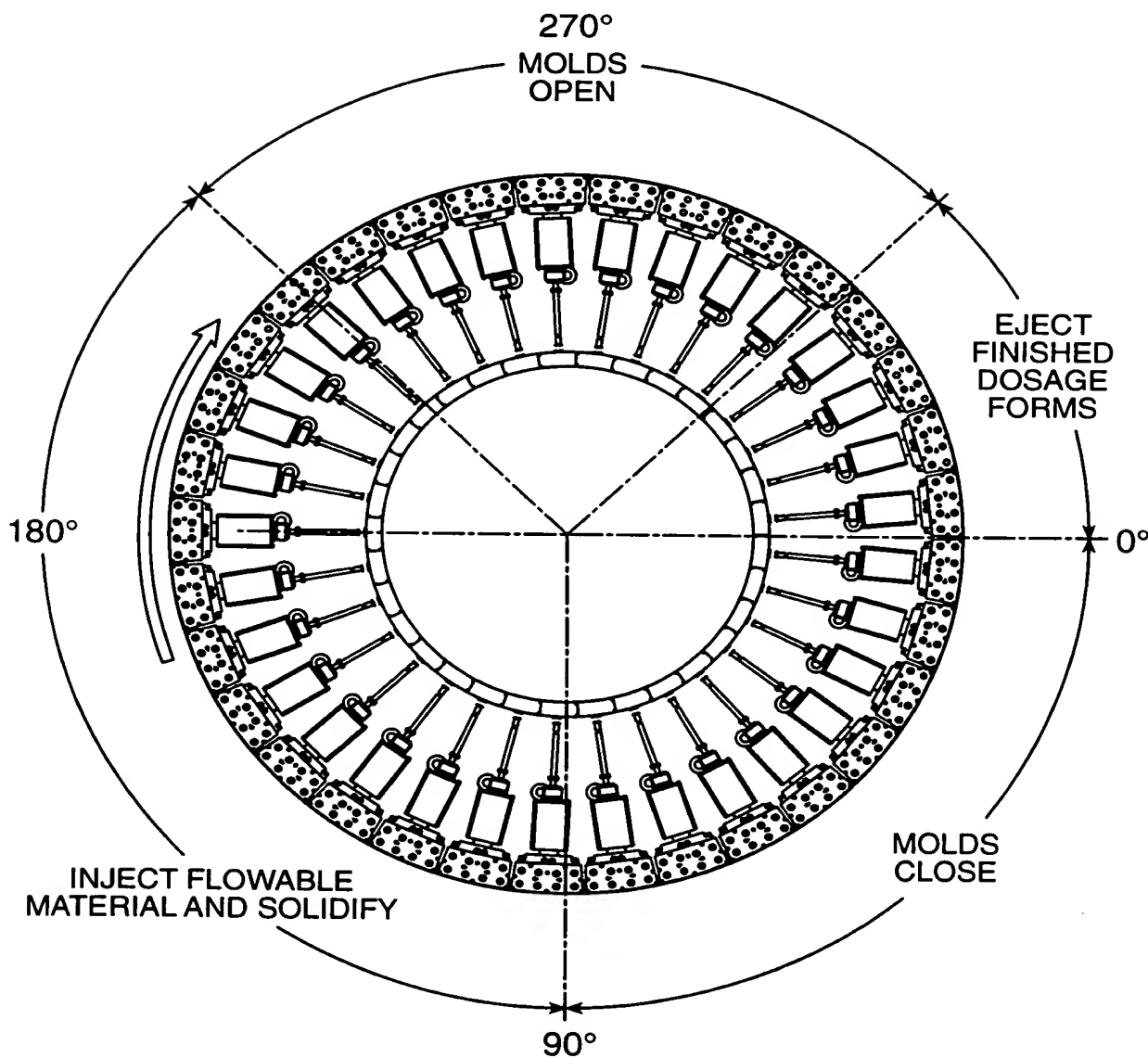




09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

26/80

FIG. 26A

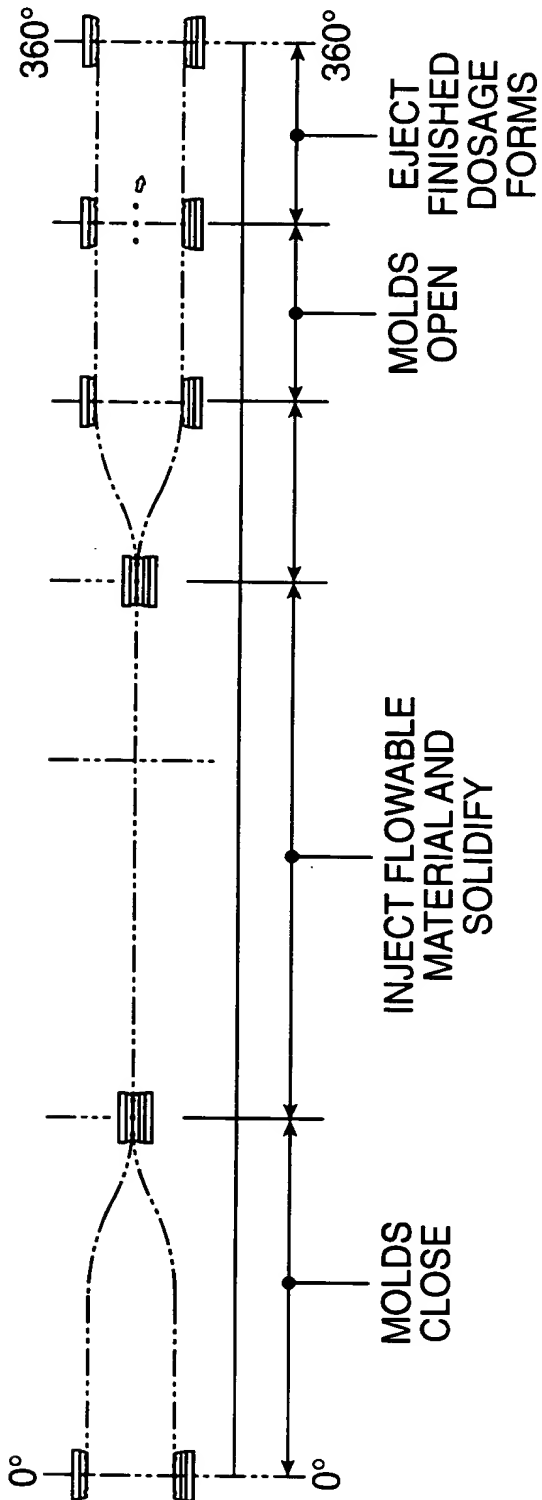


09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

27/80

FIG. 26B



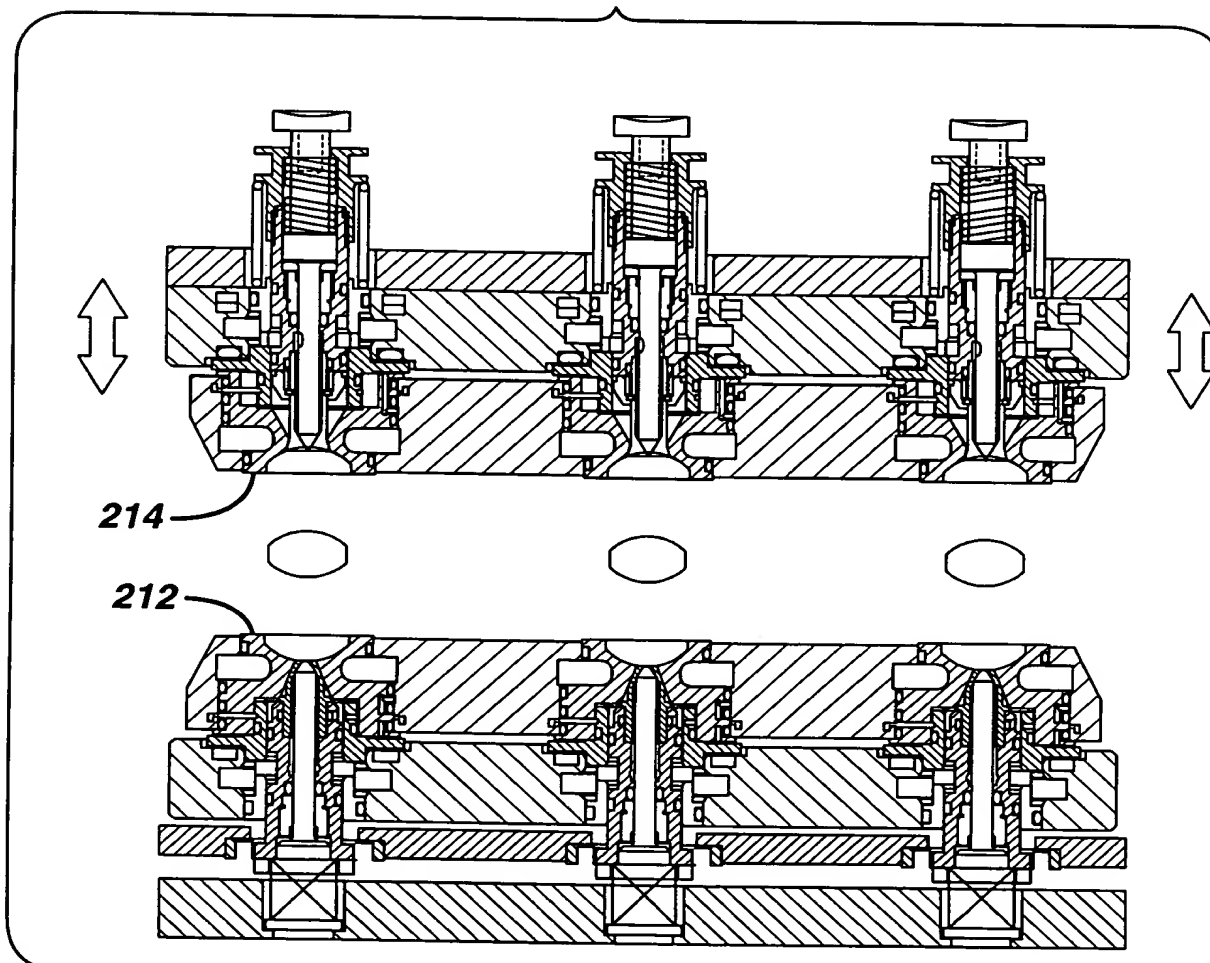


09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

28/80

FIG. 26C



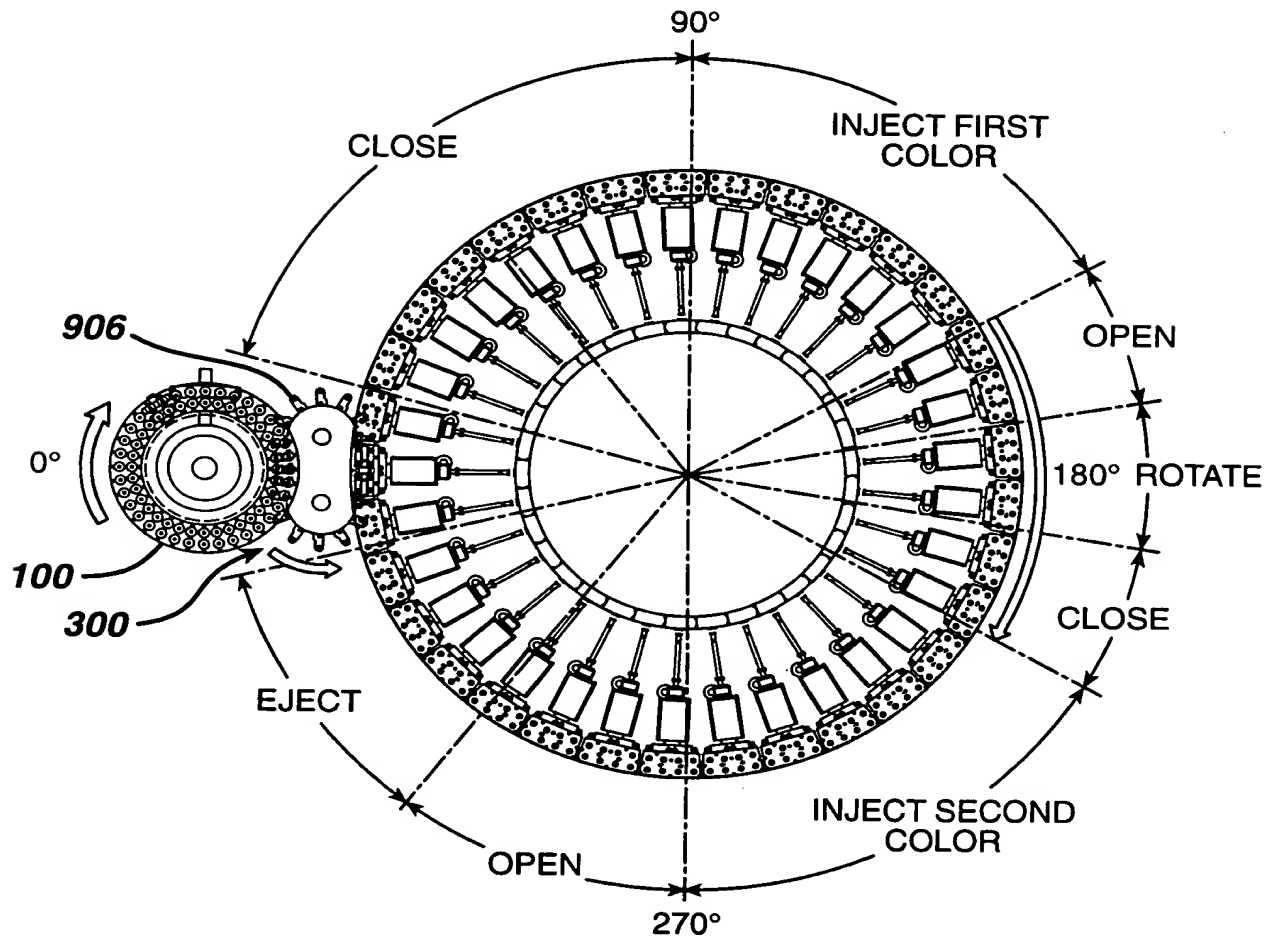


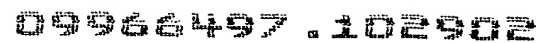
09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

29/80

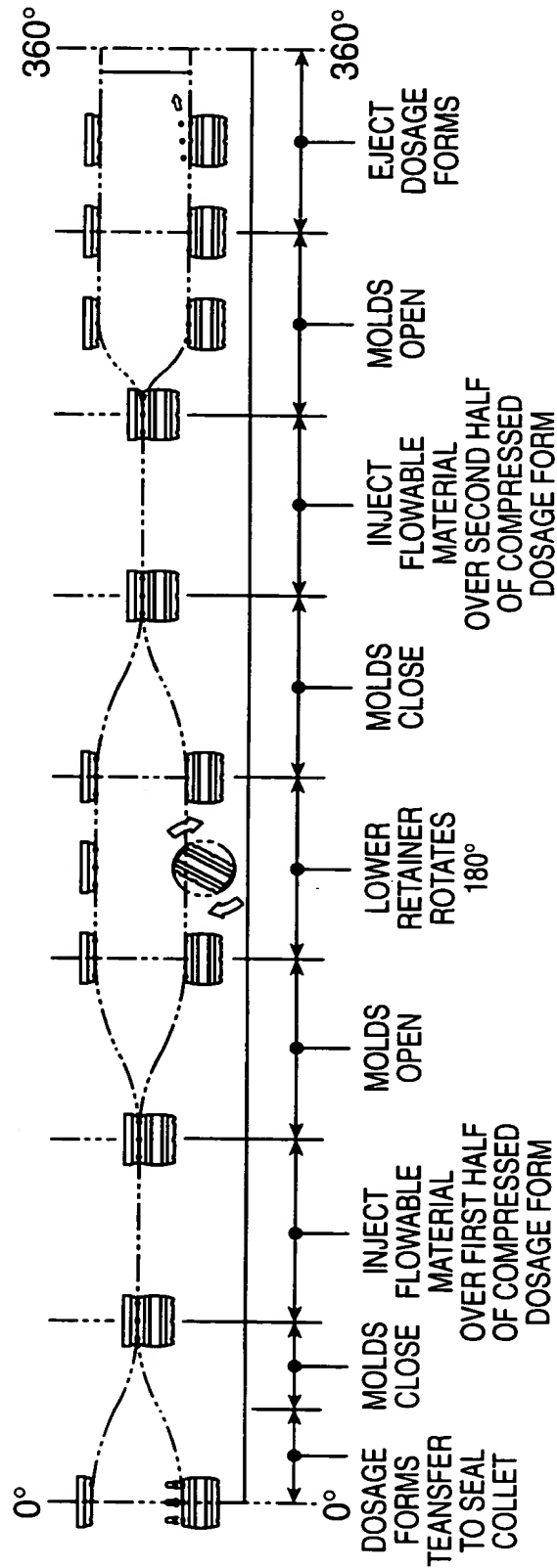
FIG. 27A





30/80

FIG. 27B



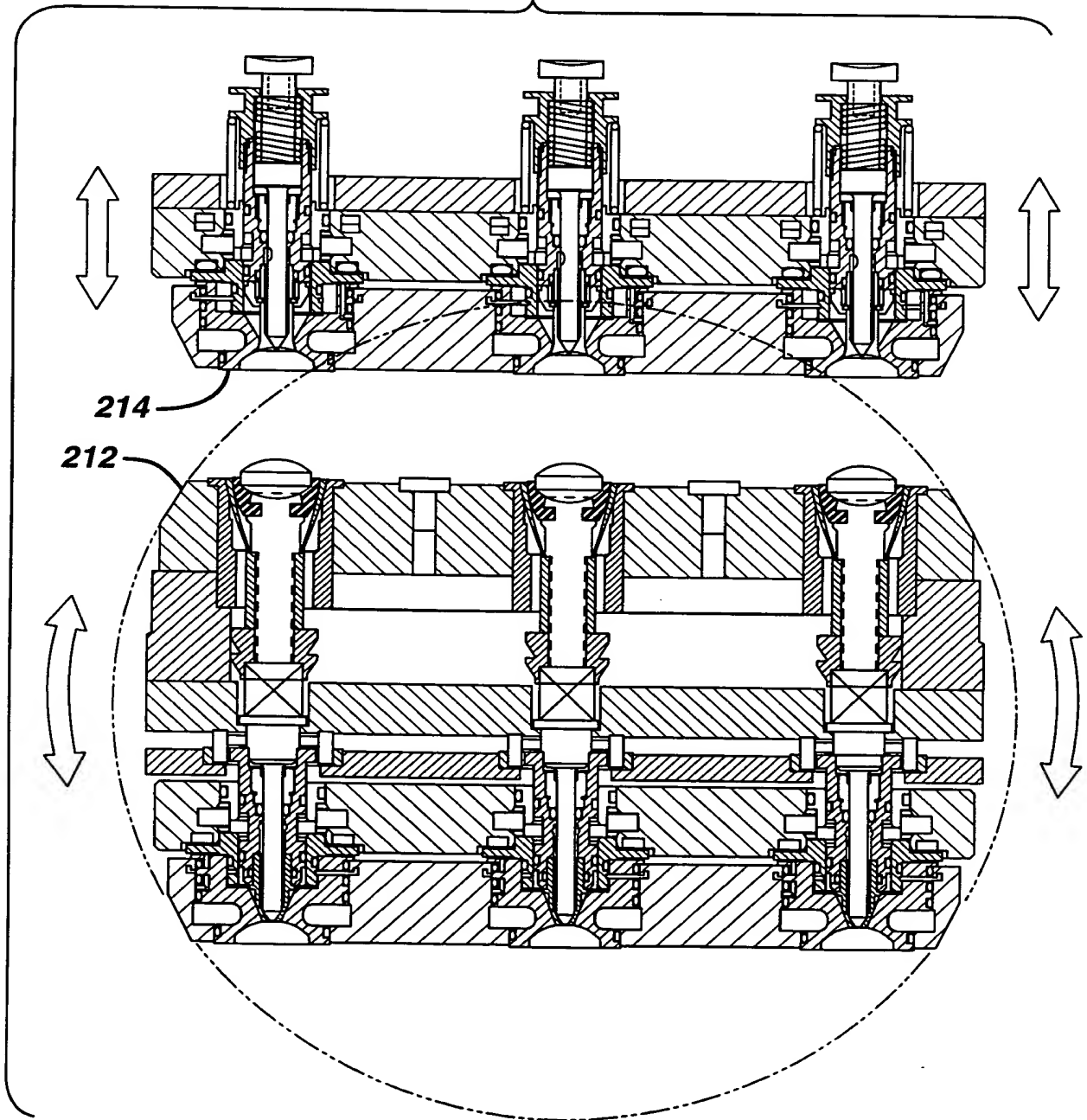


09966497 . 102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

31/80

FIG. 27C



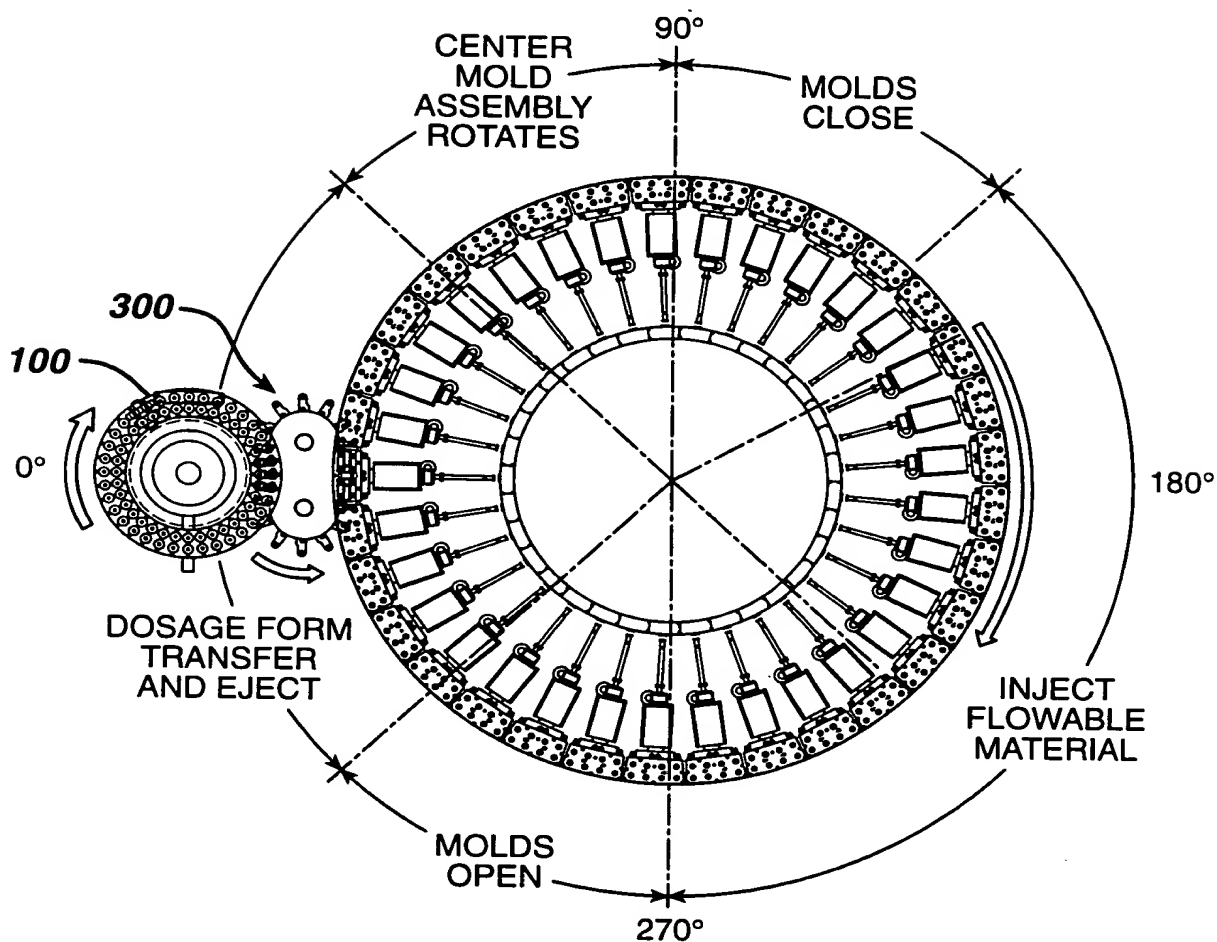


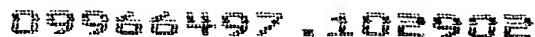
09966497 . 102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

32/80

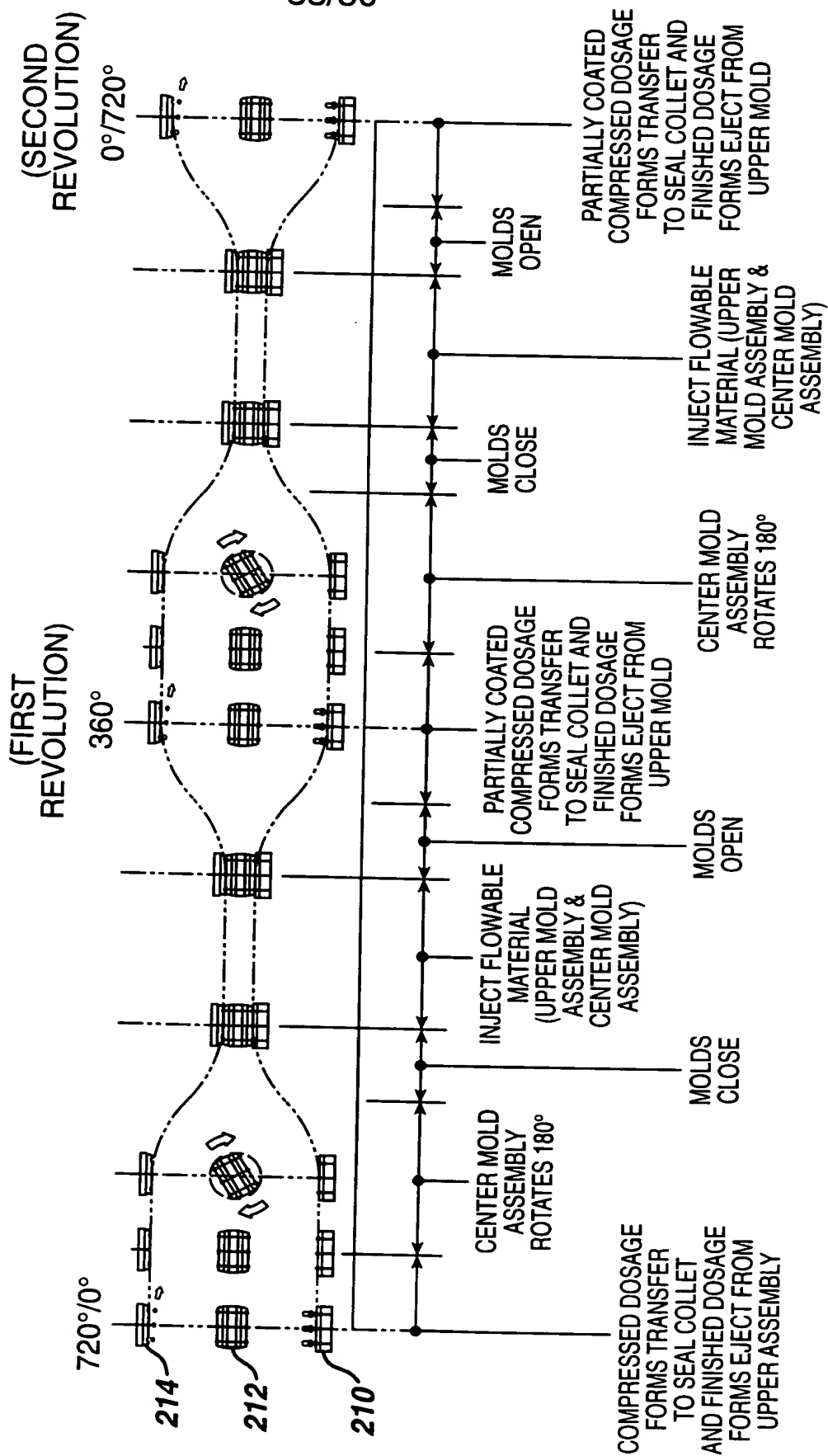
FIG. 28A





33/80

FIG. 28B



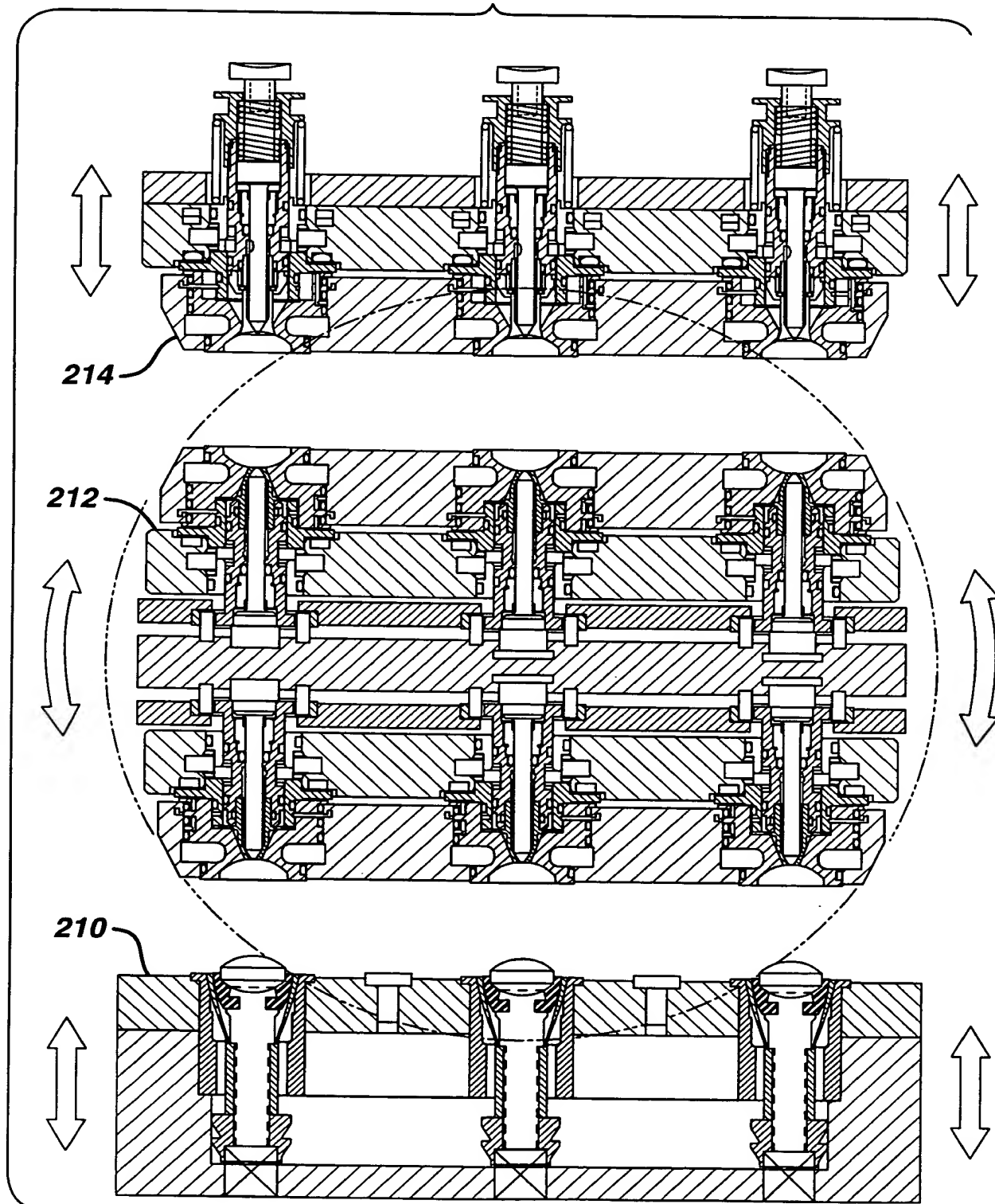


09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET.#: MCP-0294 CUST. #: 000027777

34/80

FIG. 28C





09966497 . 102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

35/80

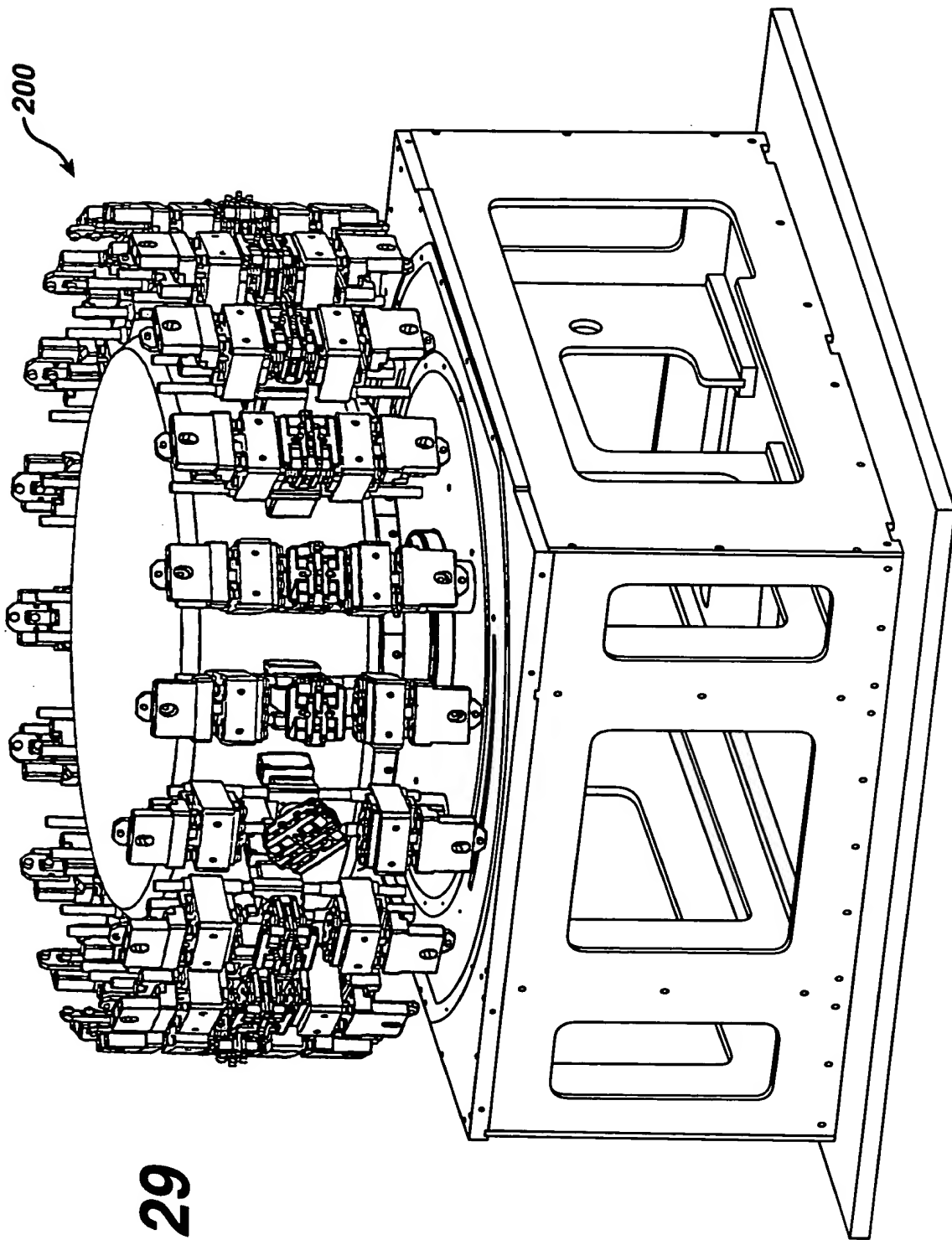


FIG. 29

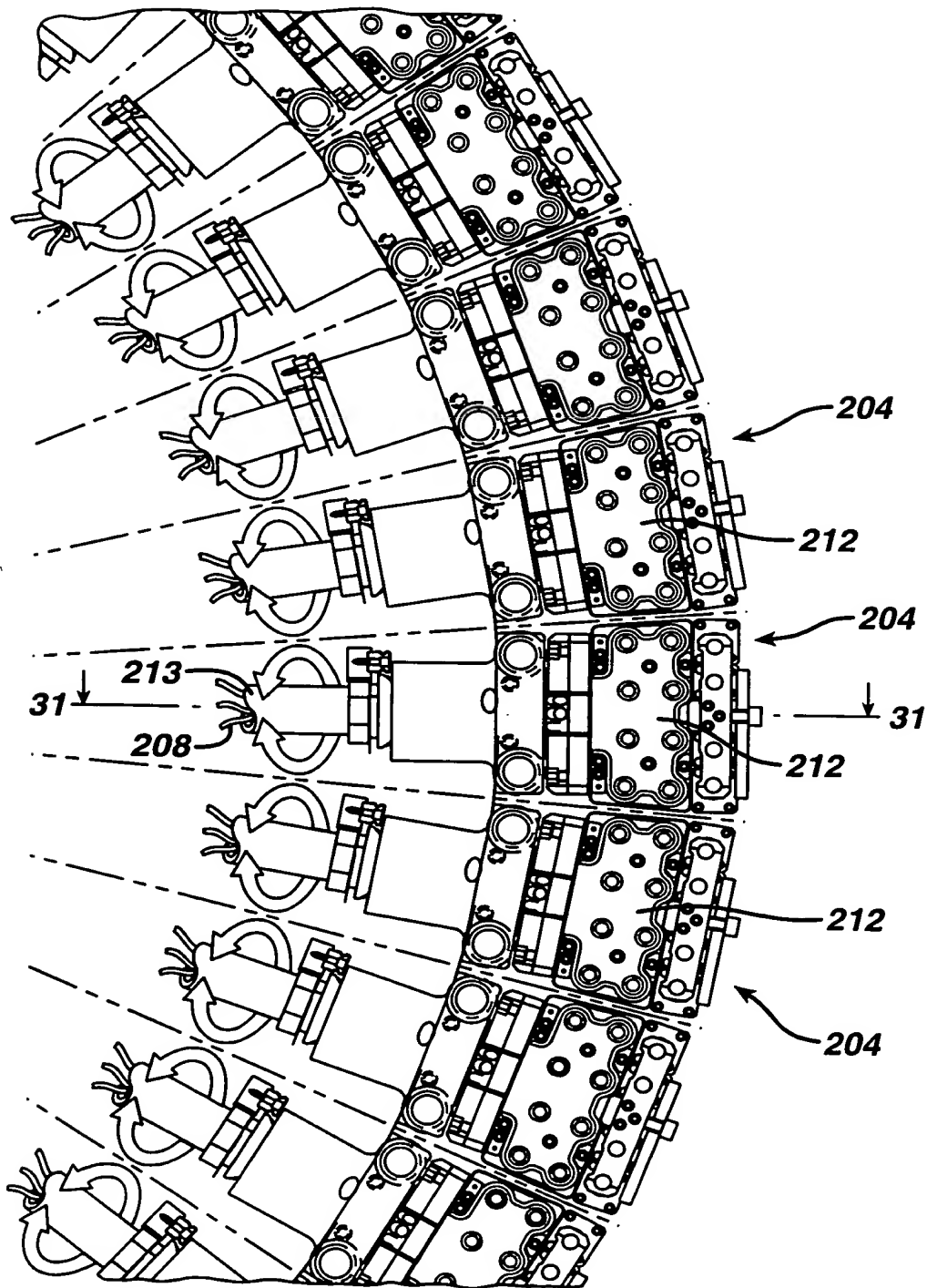


09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

36/80

FIG. 30

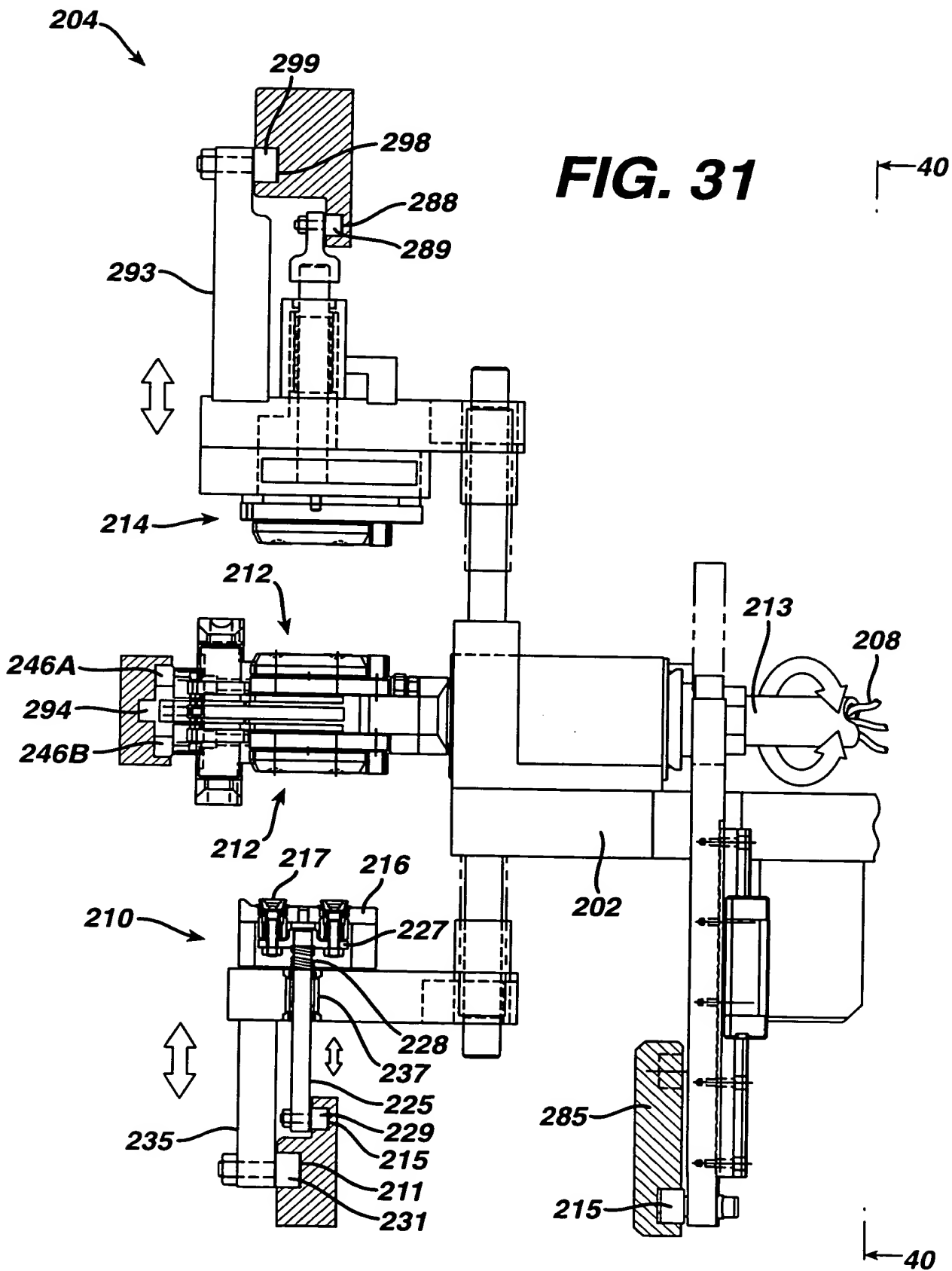




09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

37/80



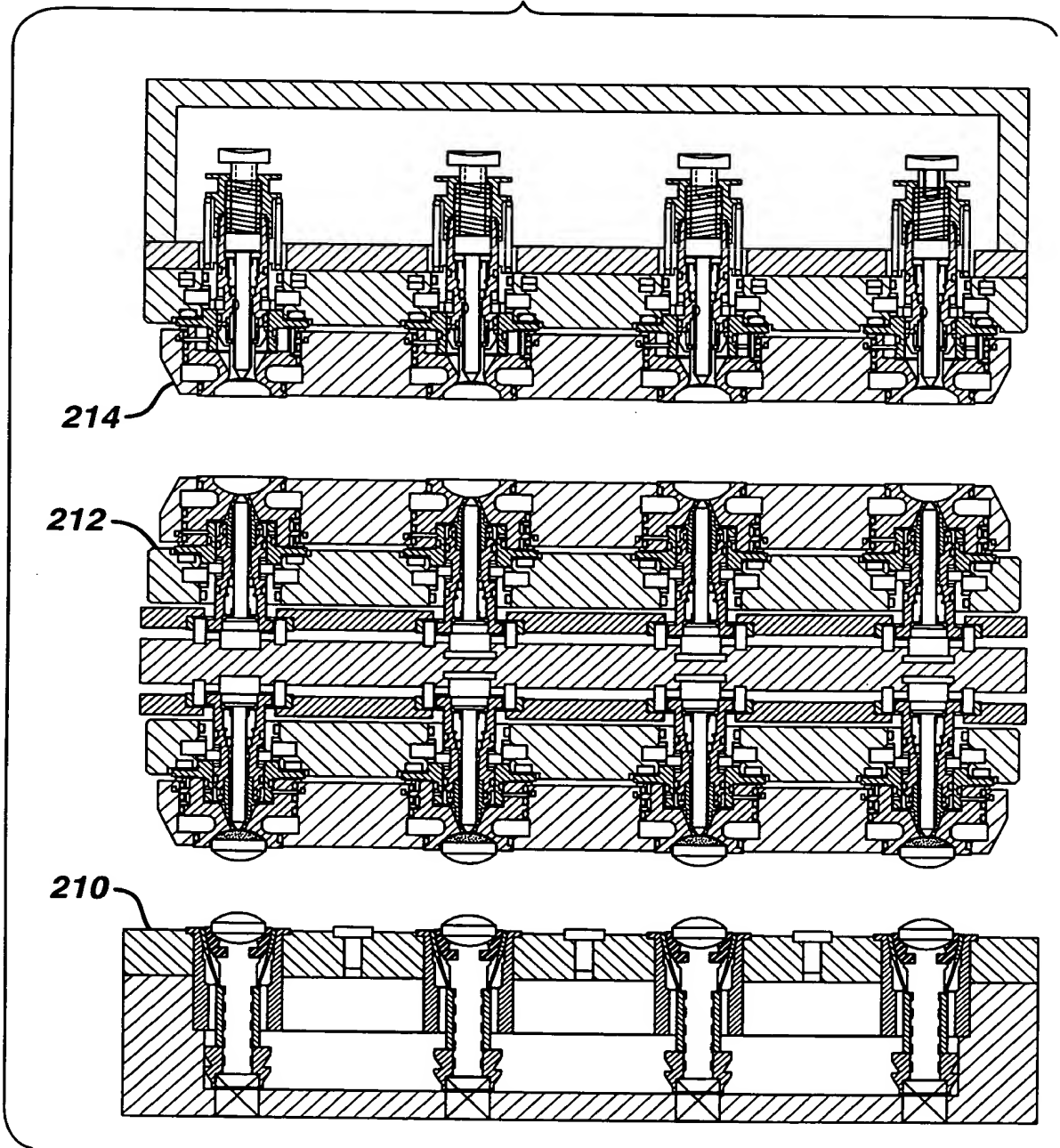


09966497 .102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

38/80

FIG. 32

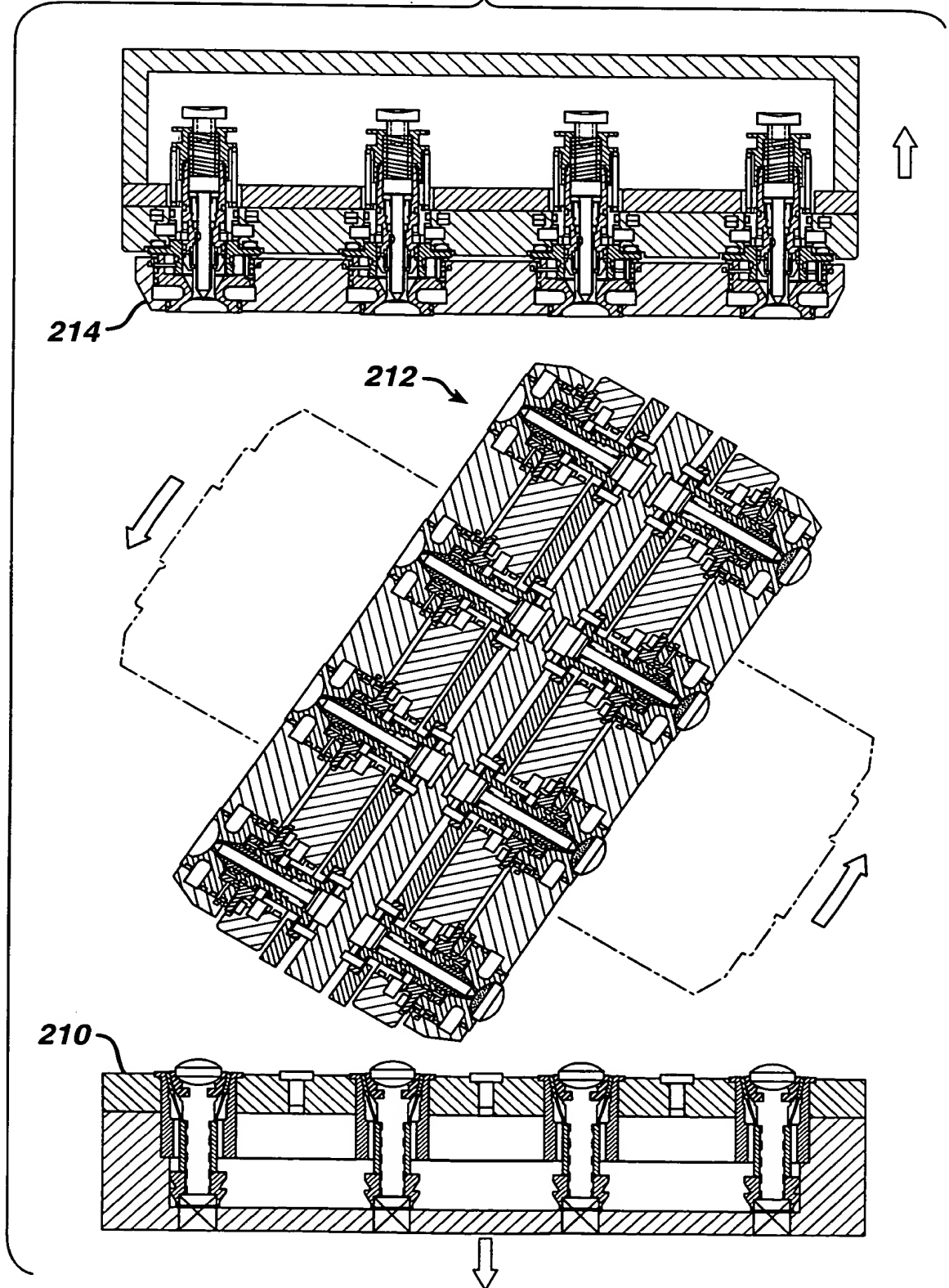




09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

39/80

FIG. 33

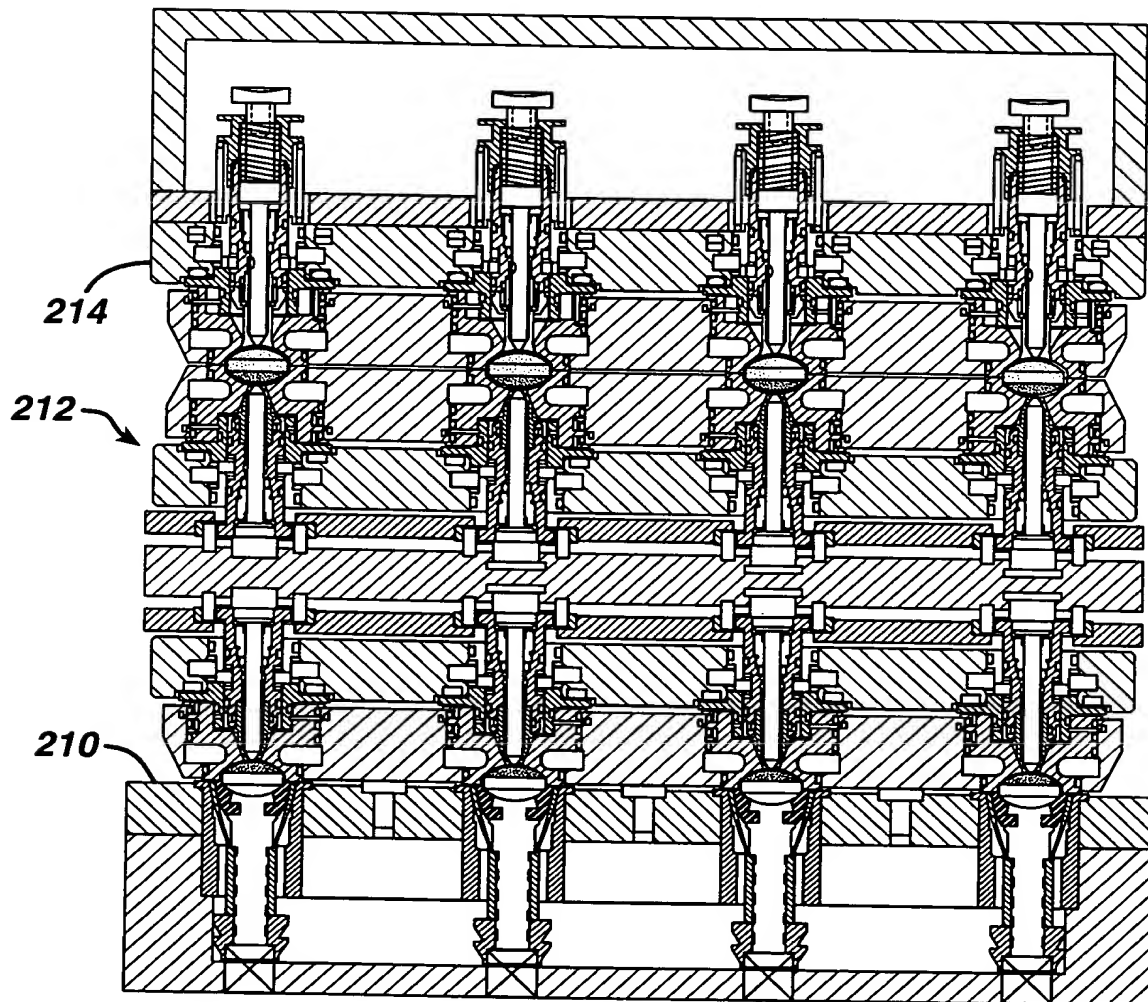


09966497 . 102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

40/80

FIG. 34

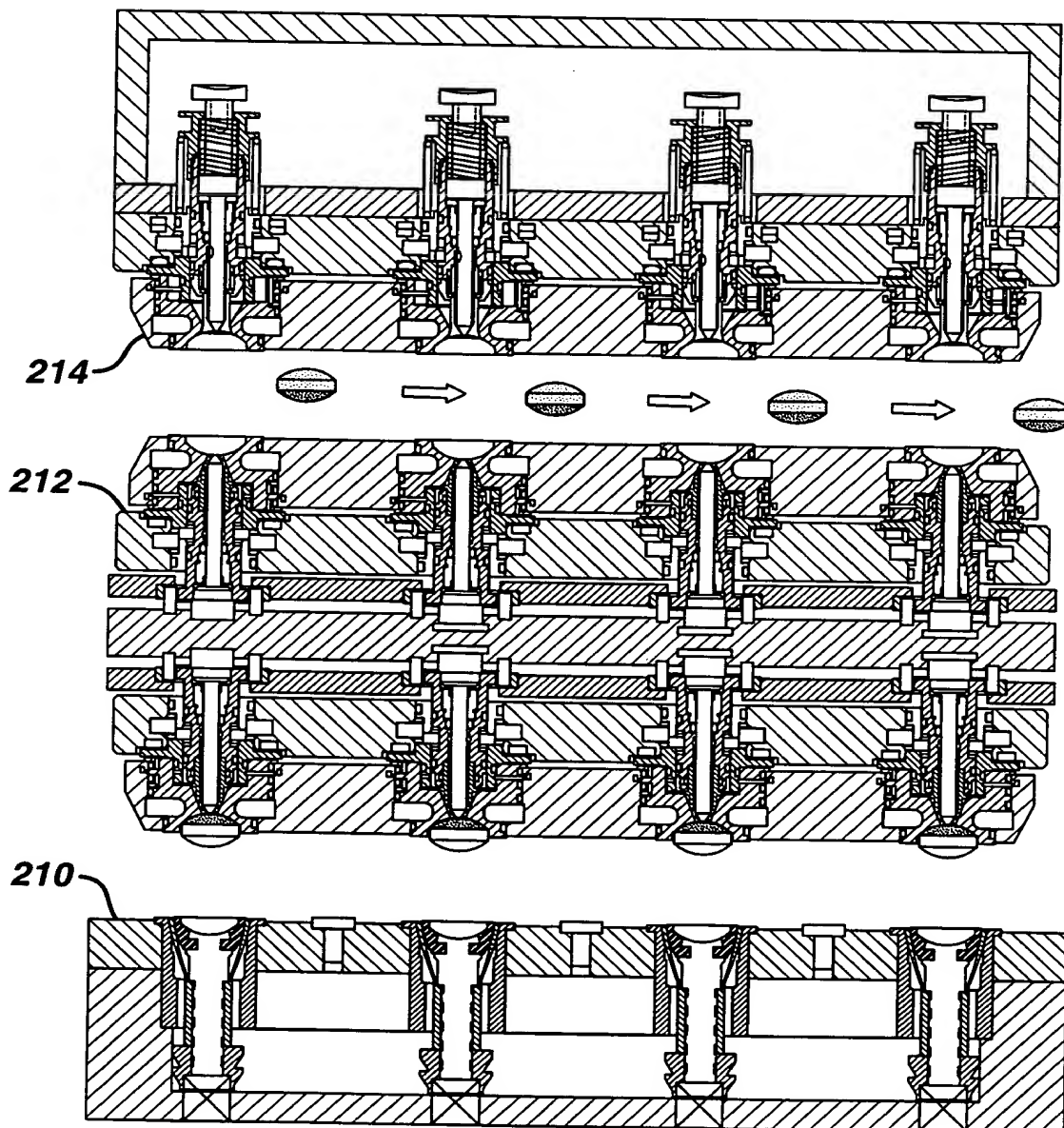




09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

41/80

FIG. 35



09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner
DOCKET #: MCP-0294

TEL. #: 732-524-2242
CUST. #: 000027777

42/80

FIG. 38

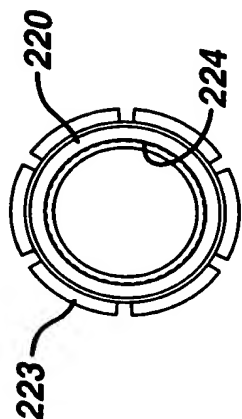


FIG. 39

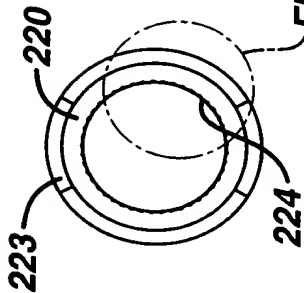


FIG. 39A

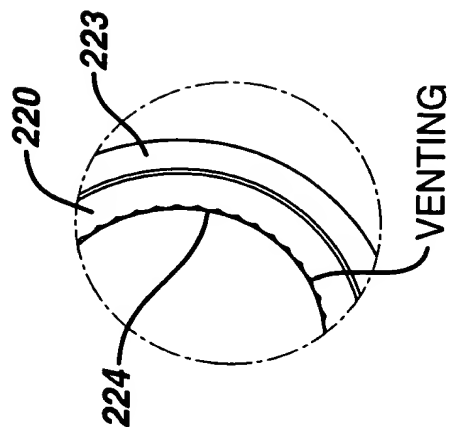


FIG. 36

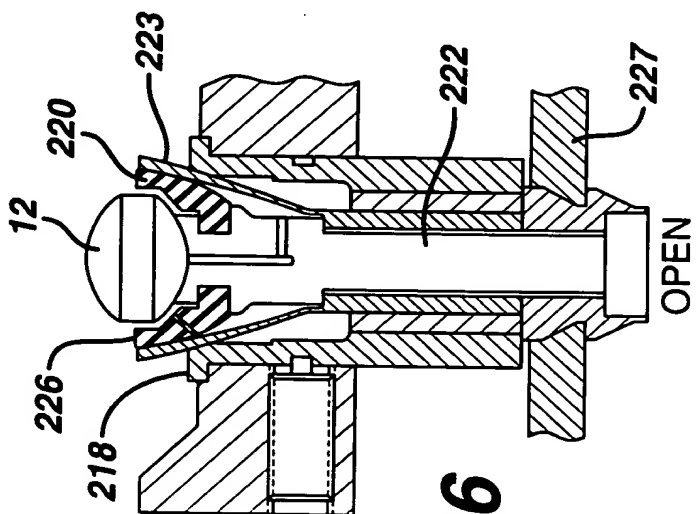
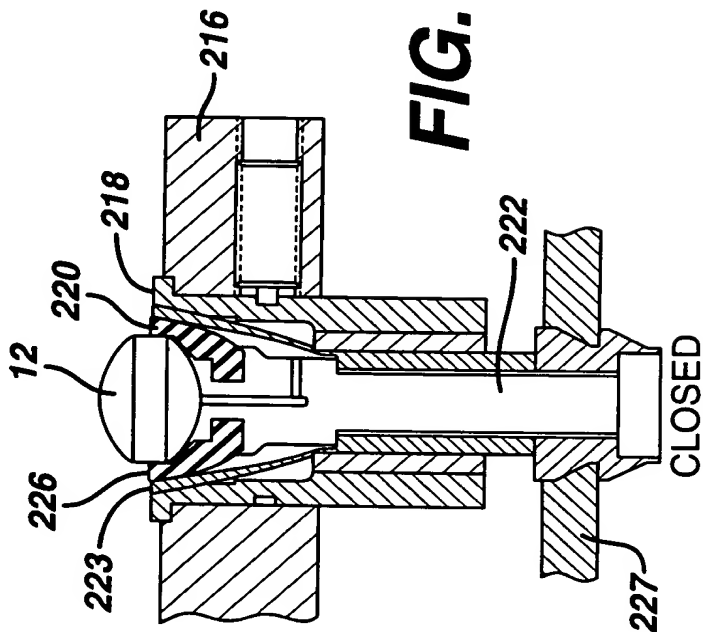


FIG. 37

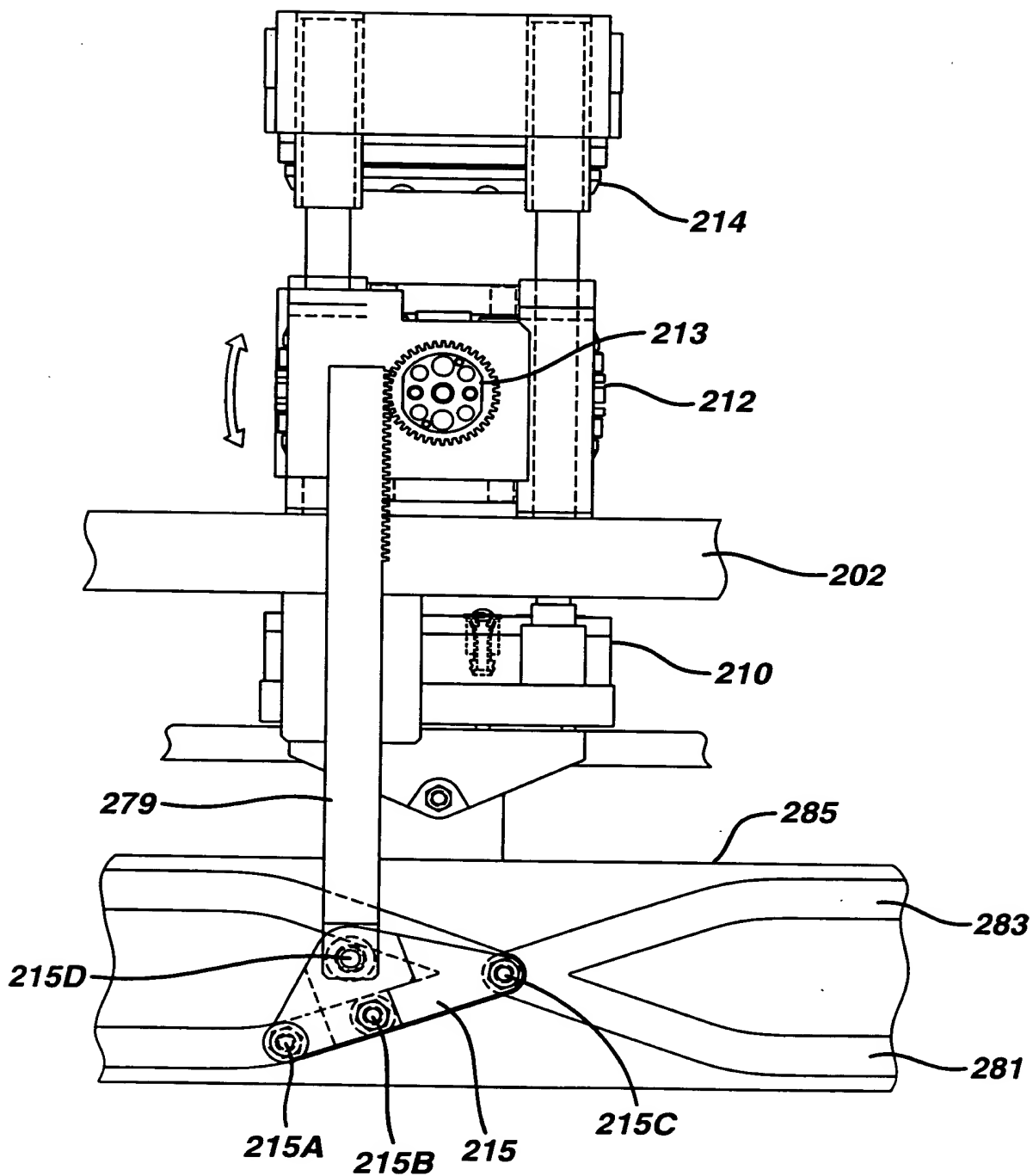


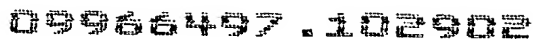


09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

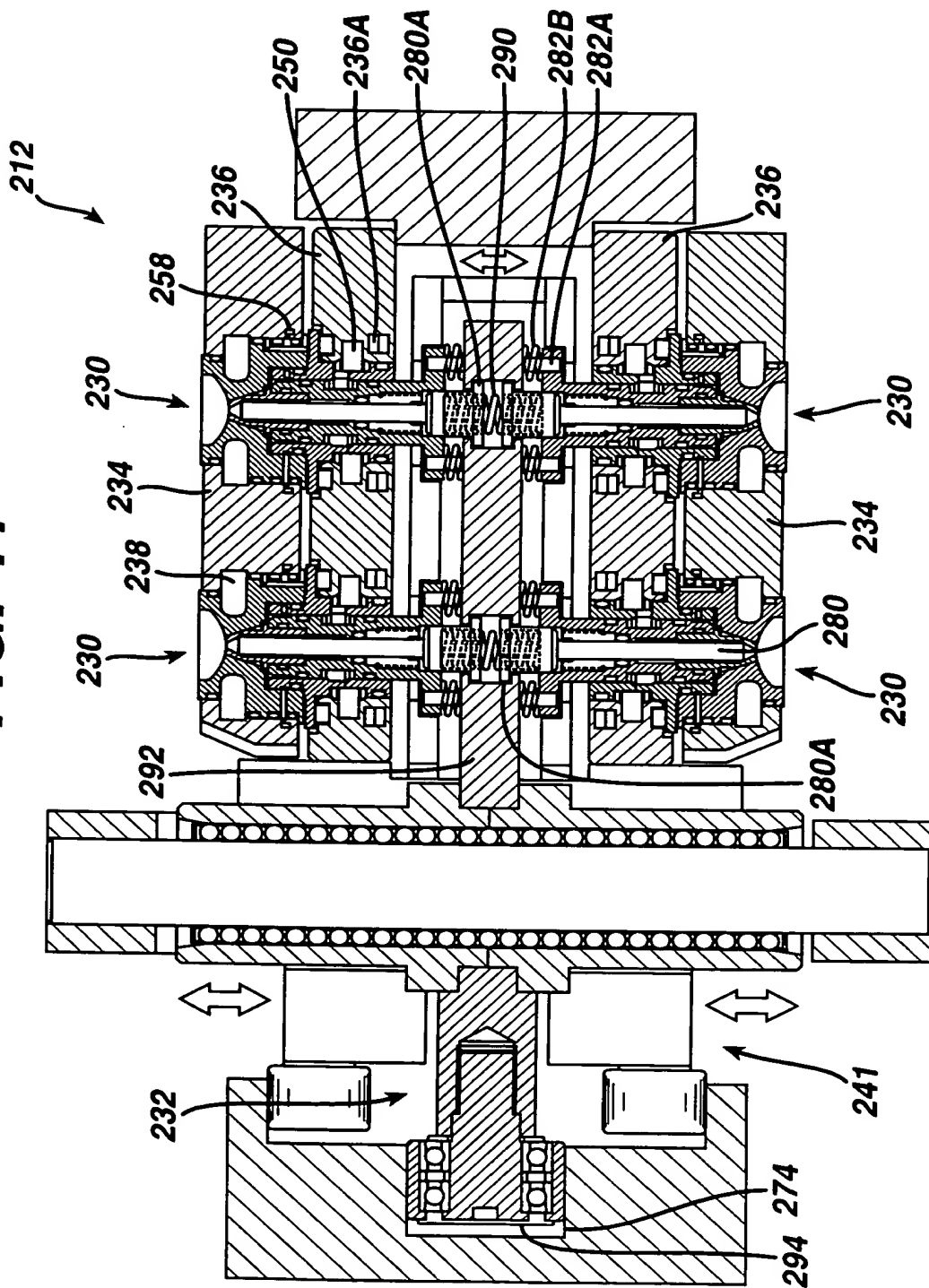
43/80

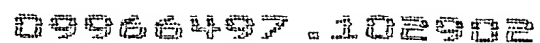
FIG. 40



44/80

FIG. 41





46/80

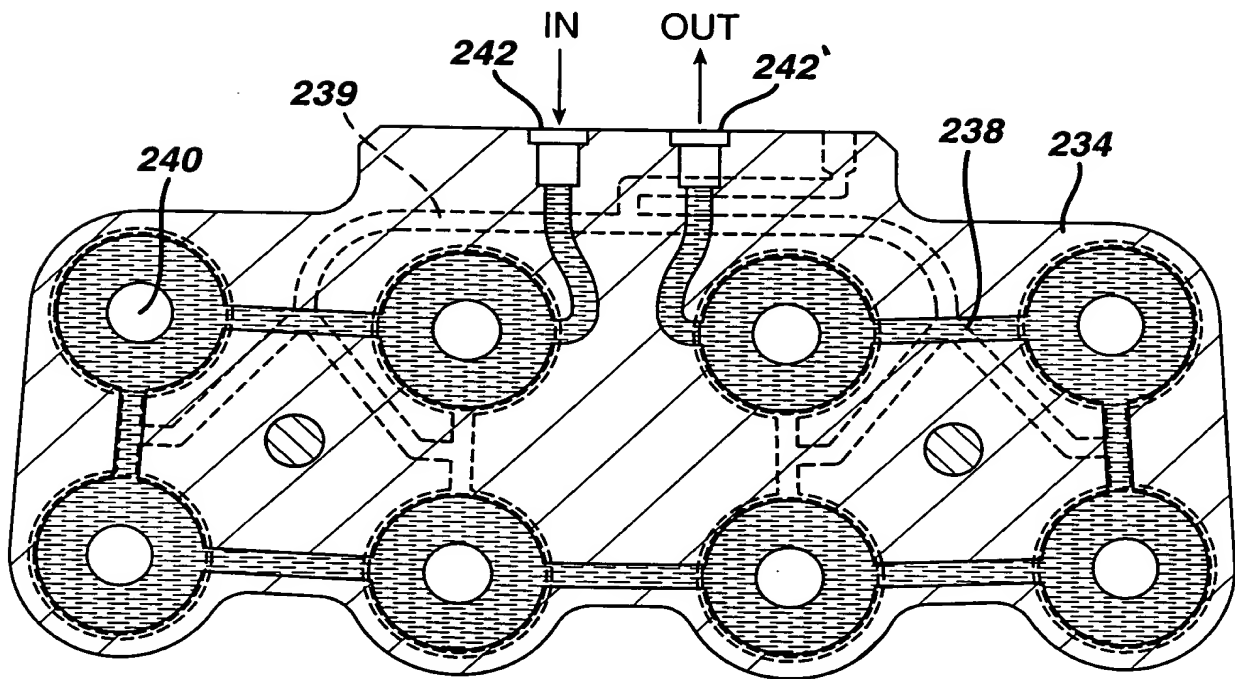


09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

47/80

FIG. 44



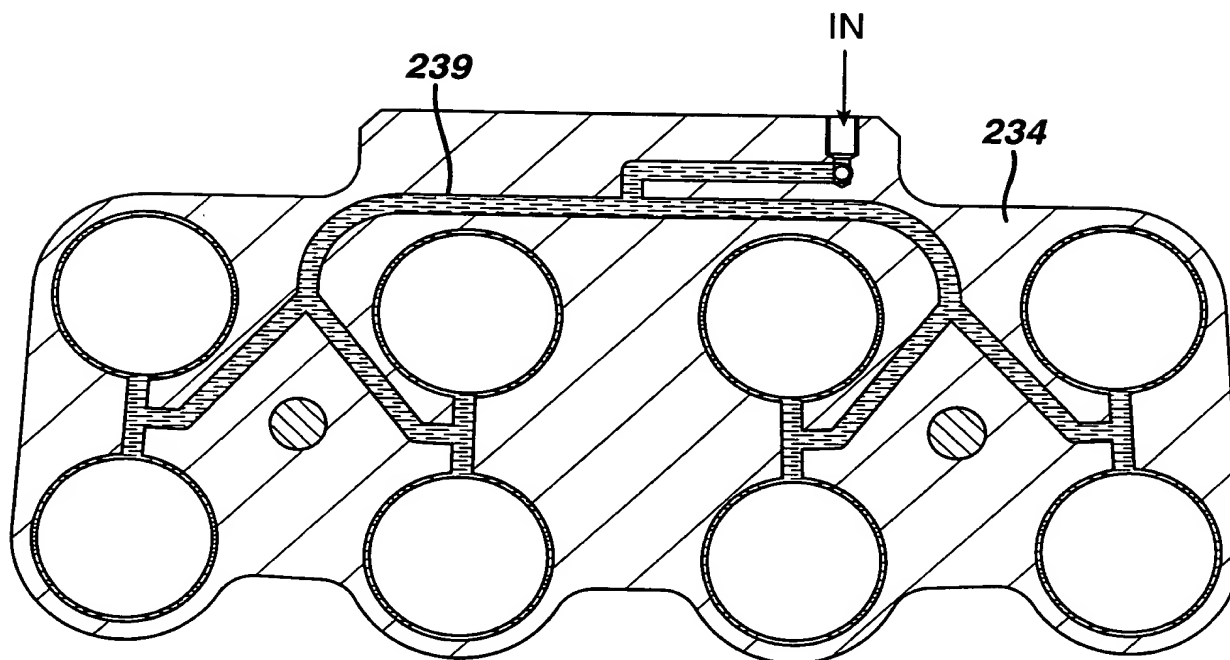


09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

48/80

FIG. 45



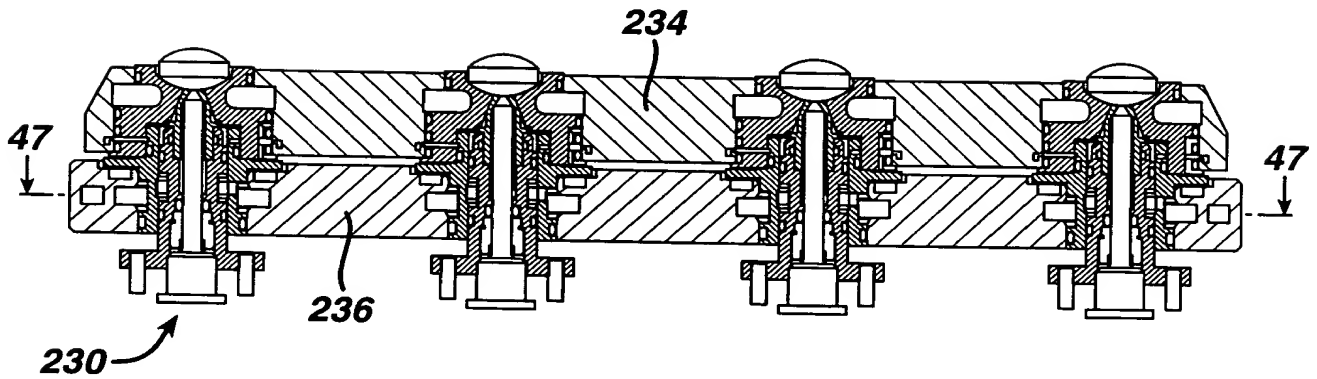


09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

49/80

FIG. 46



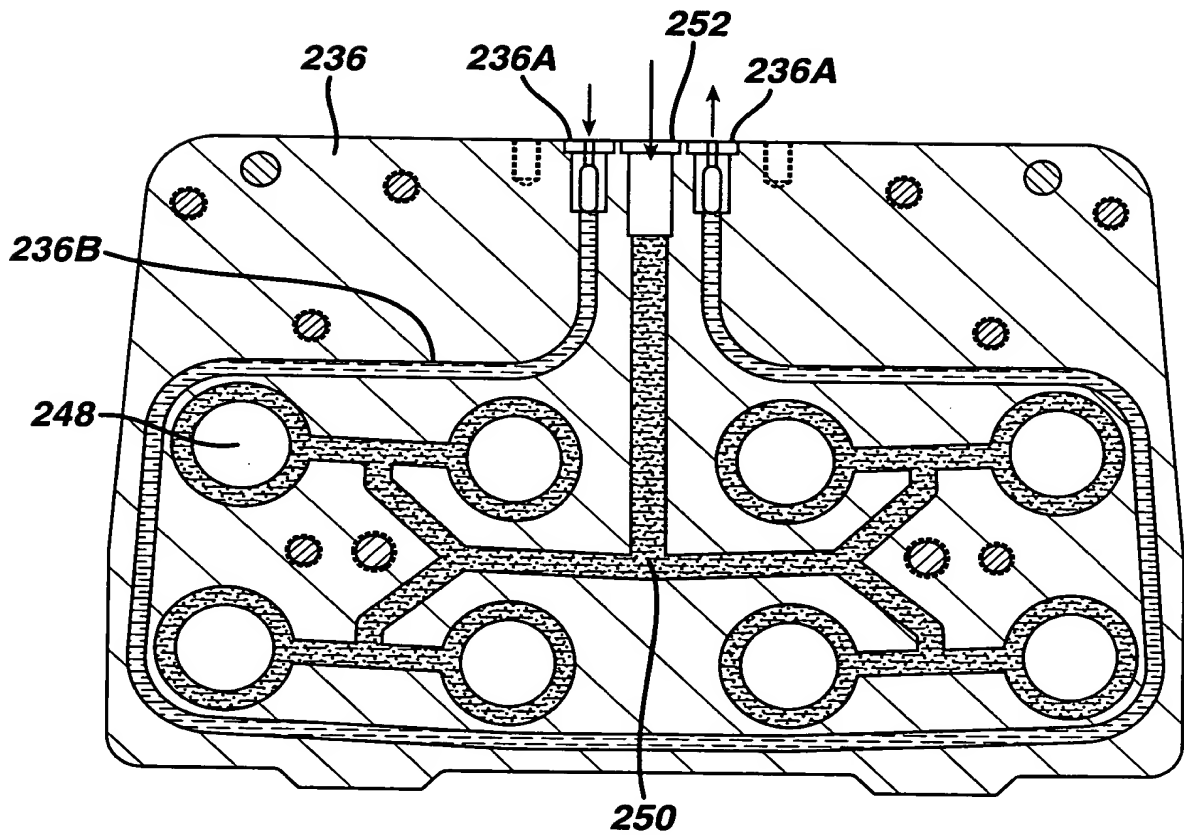


09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

50/80

FIG. 47





09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner
DOCKET #: MCP-0294

TEL. #: 732-524-2242
CUST. #: 000027777

51/80

FIG. 50

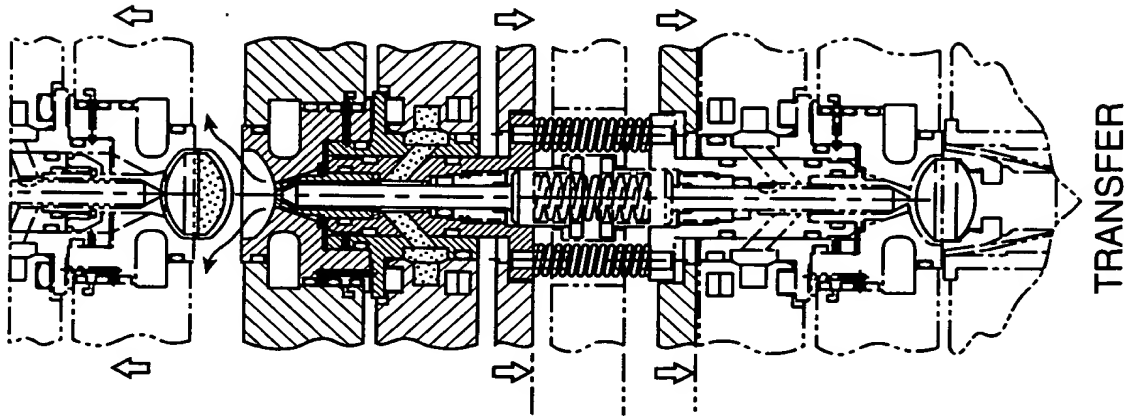


FIG. 49

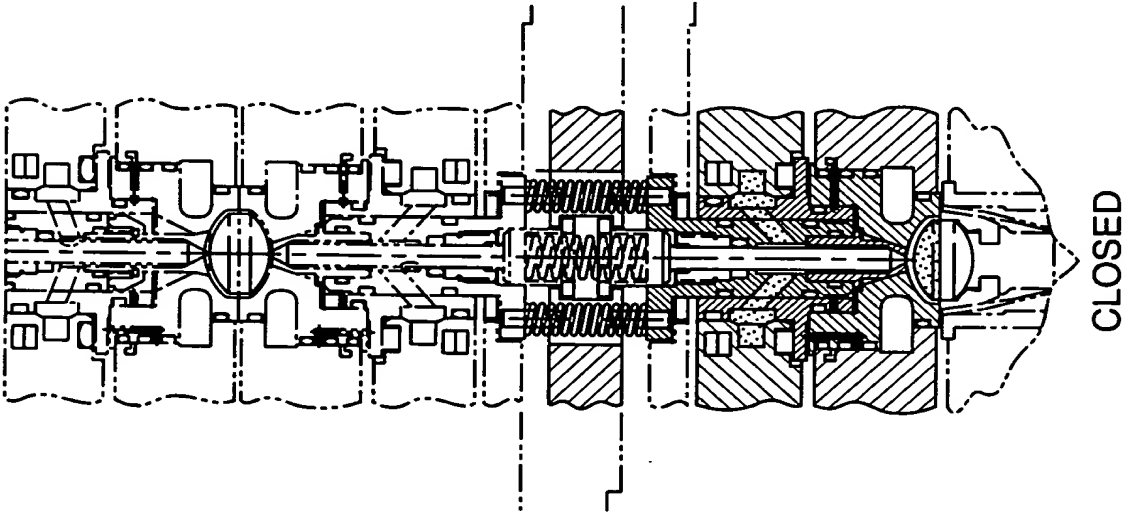
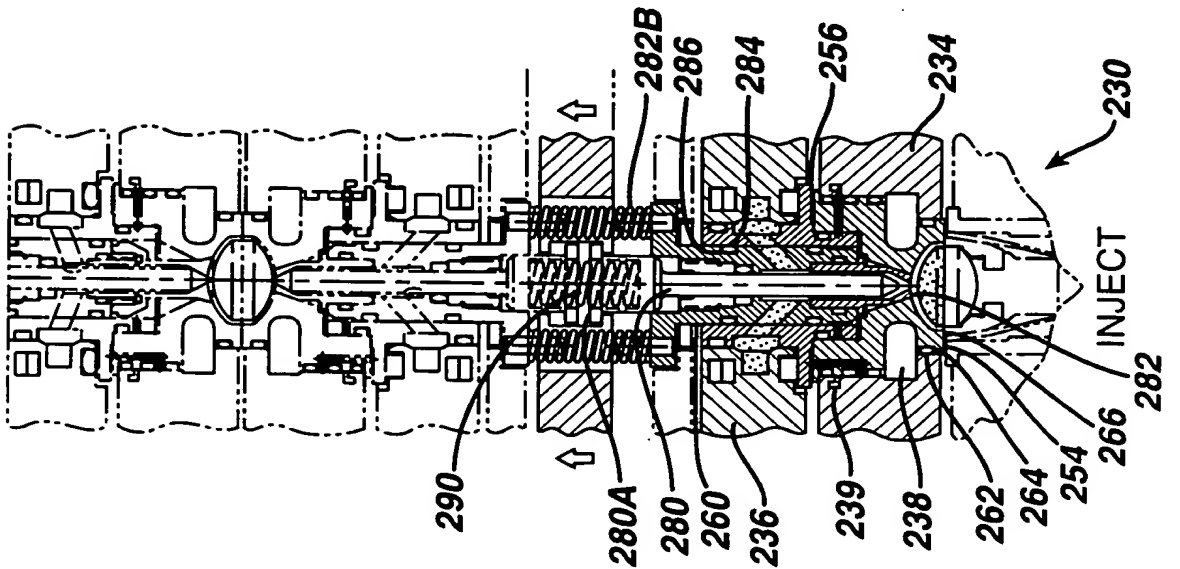
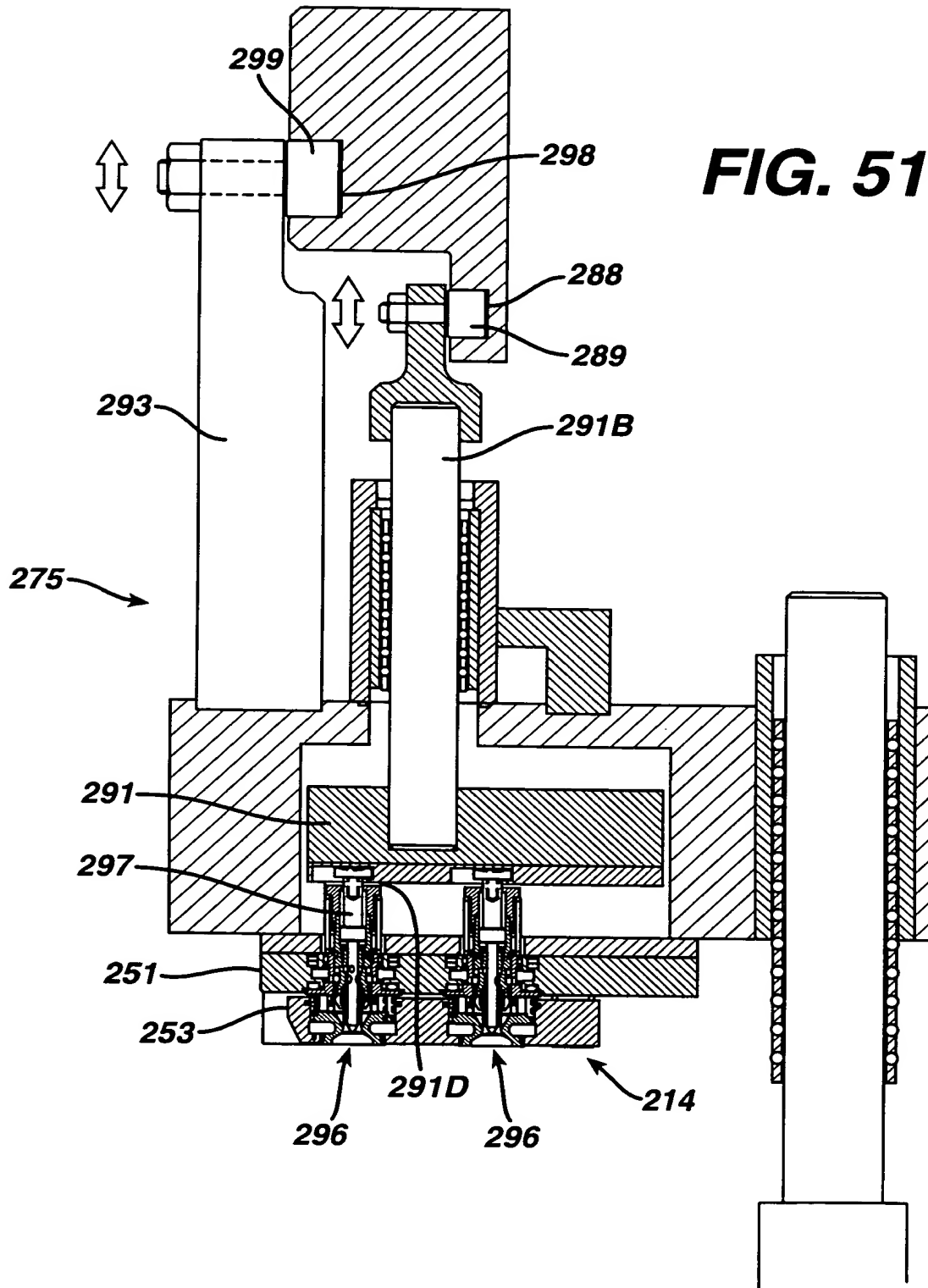


FIG. 48



TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner **TEL. #: 732-524-2242**
DOCKET #: MCP-0294 **CUST. #: 000027777**

52/80





09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

53/80

FIG. 54

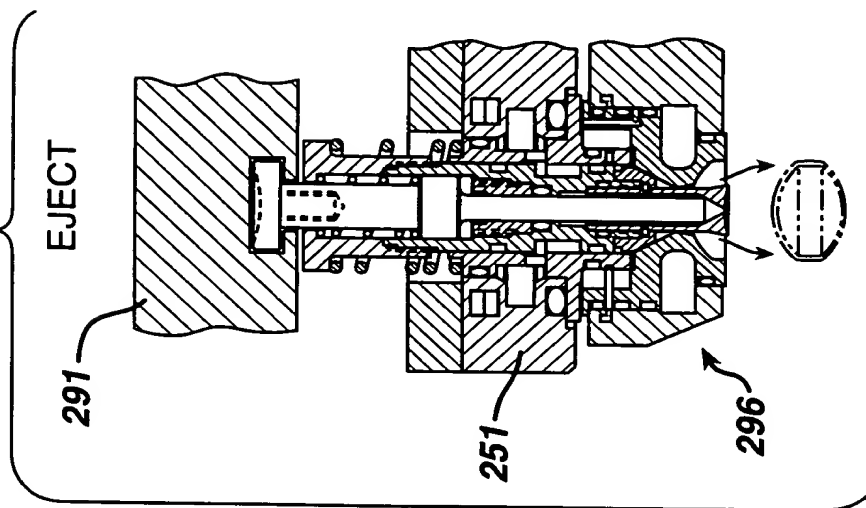


FIG. 53

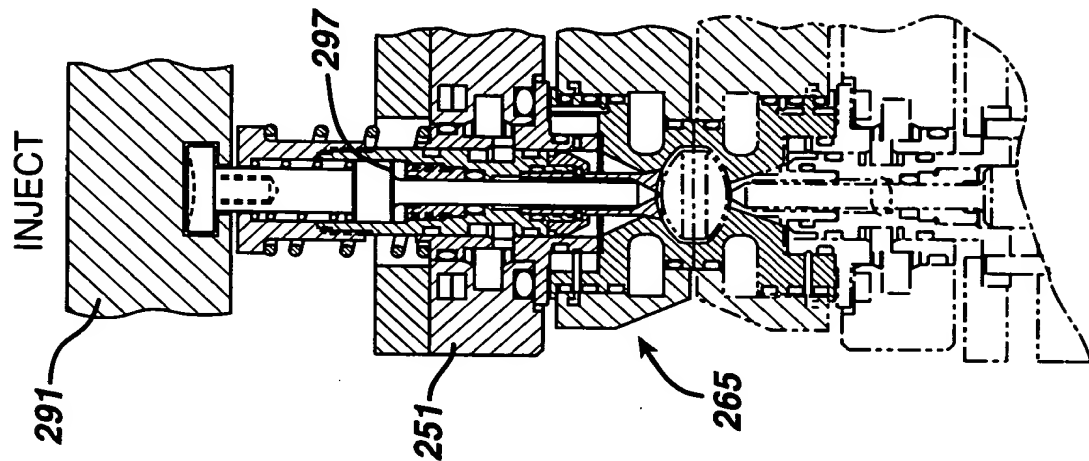
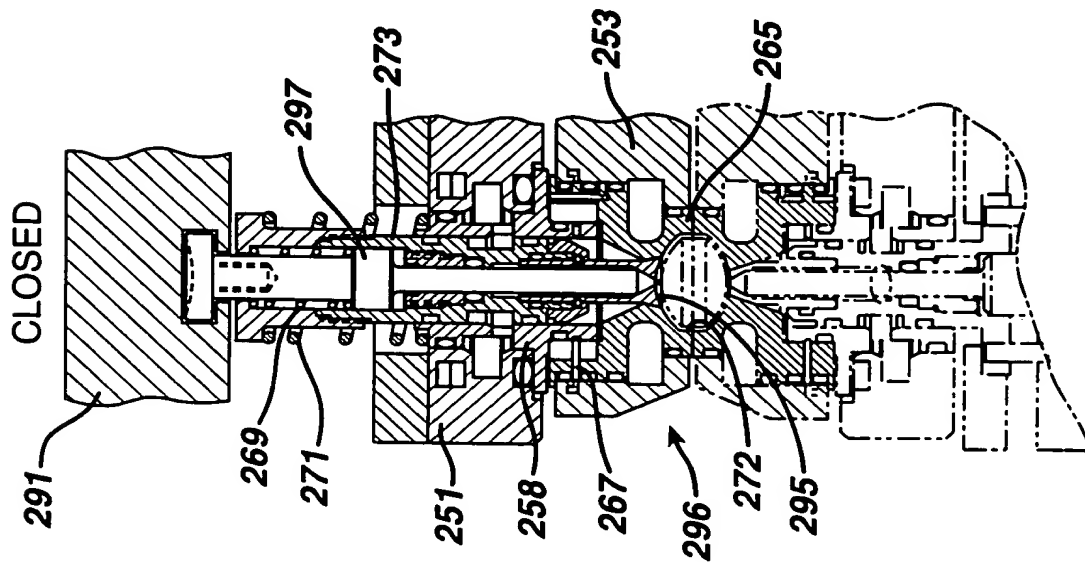


FIG. 52



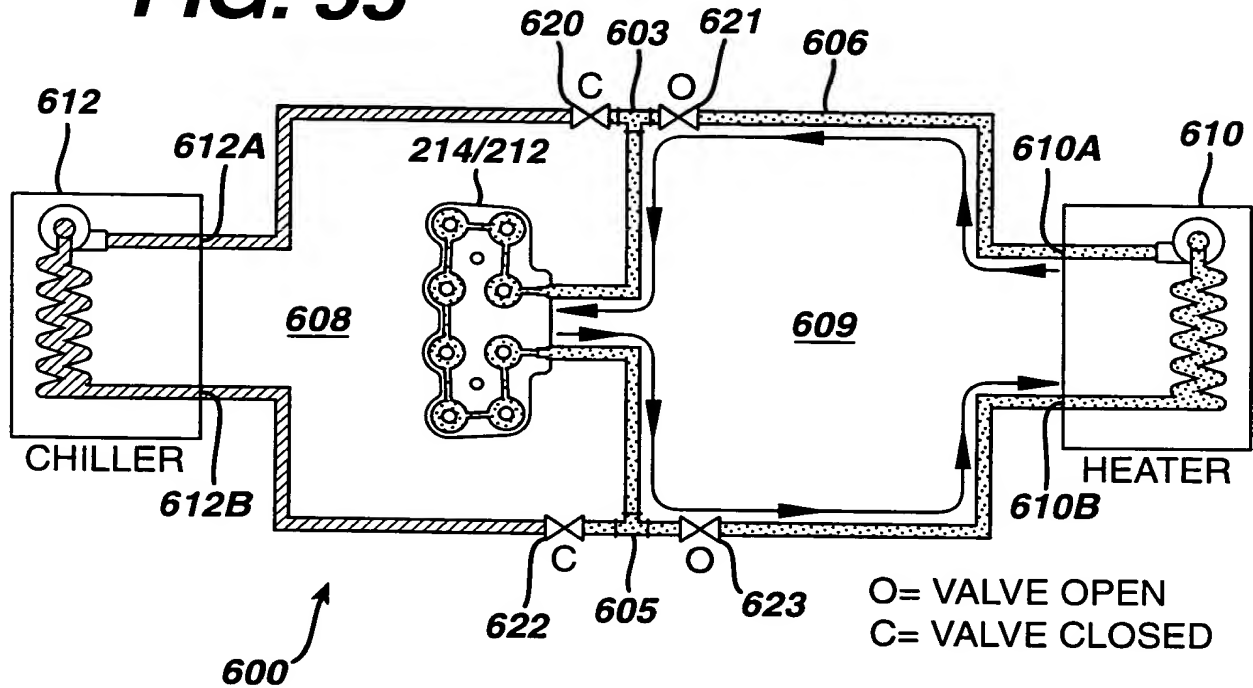
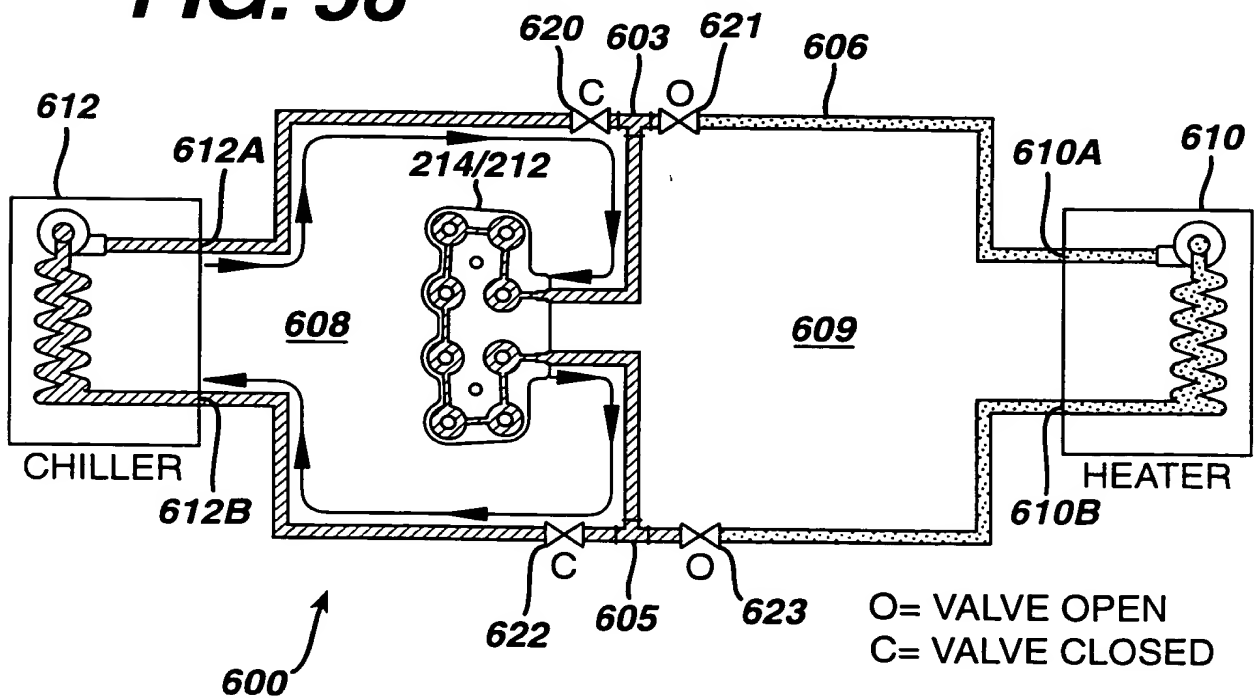


09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner
DOCKET #: MCP-0294

TEL. #: 732-524-2242
CUST. #: 000027777

54/80

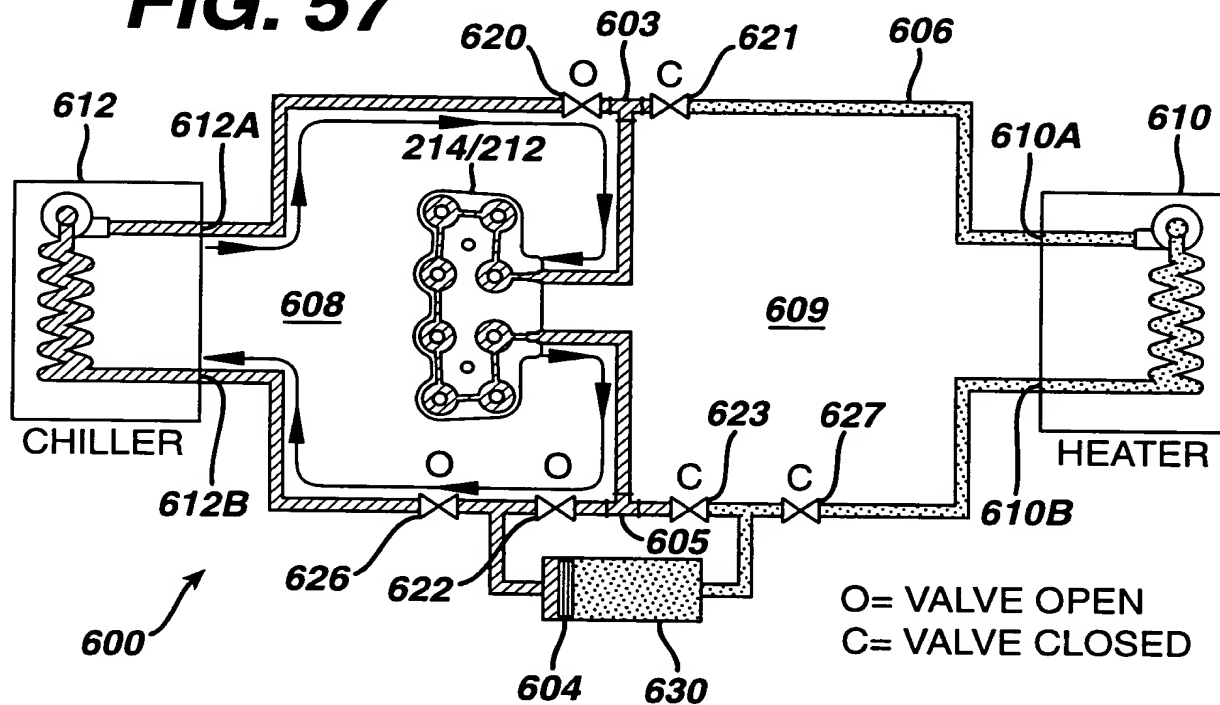
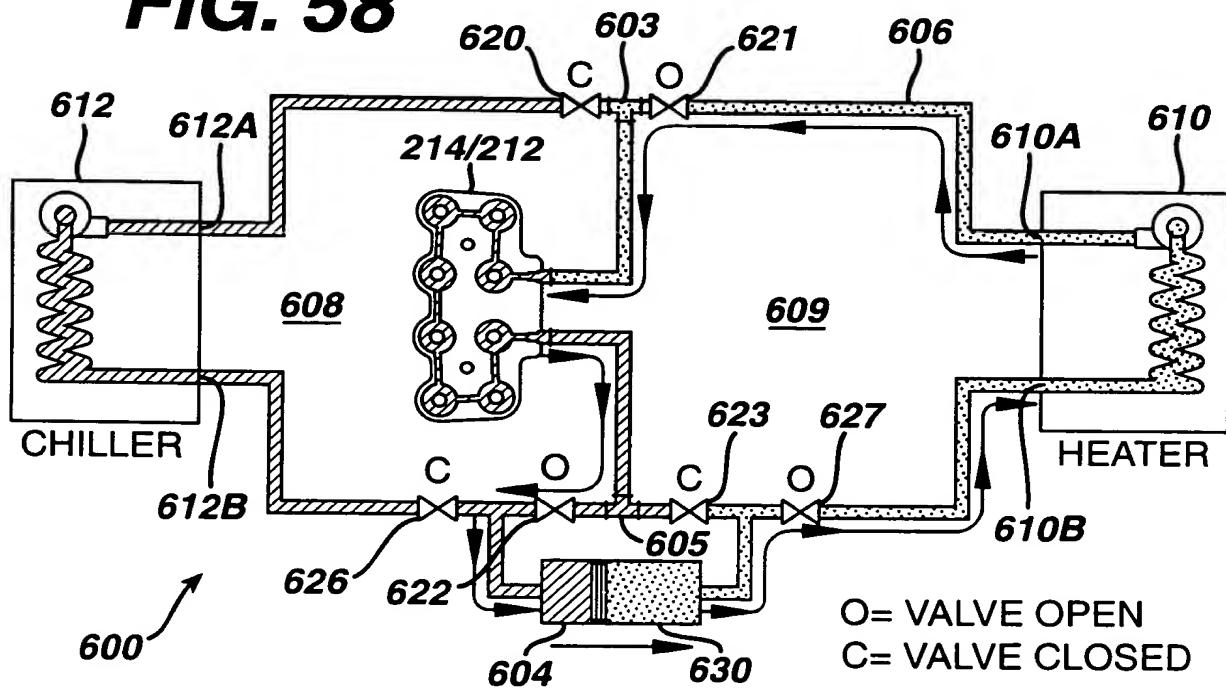
FIG. 55HOT CYCLE**FIG. 56**COLD CYCLE



09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

55/80

FIG. 57**FIG. 58**

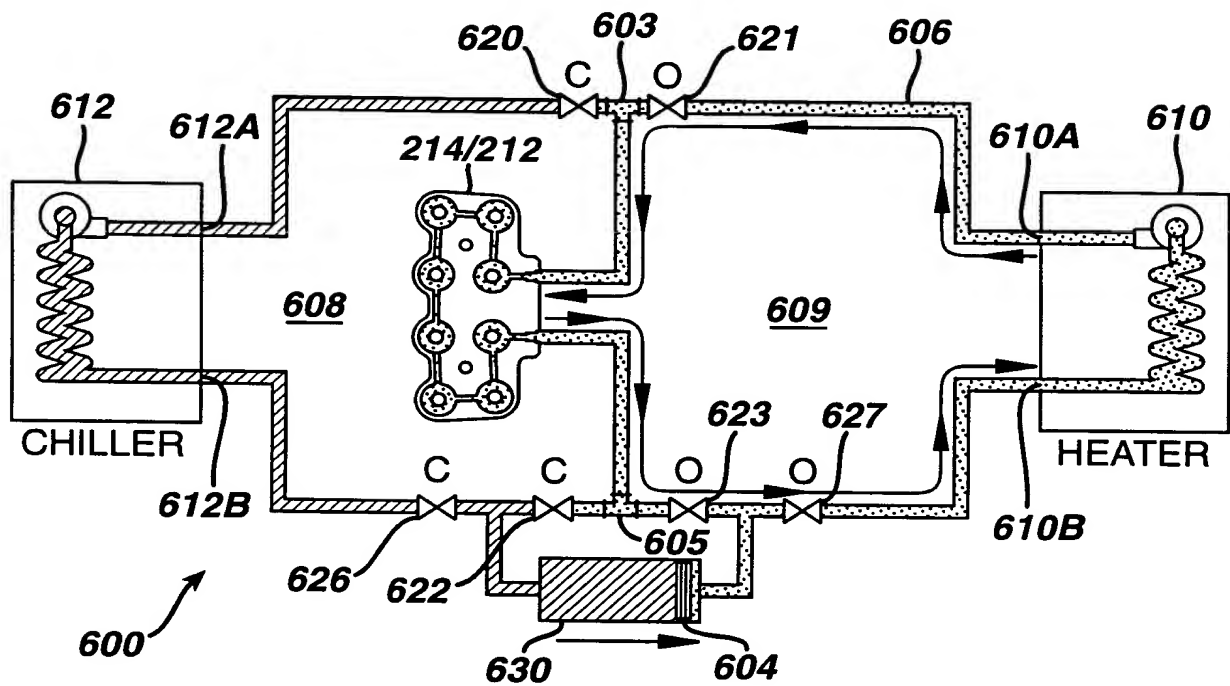


09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

56/80

FIG. 59



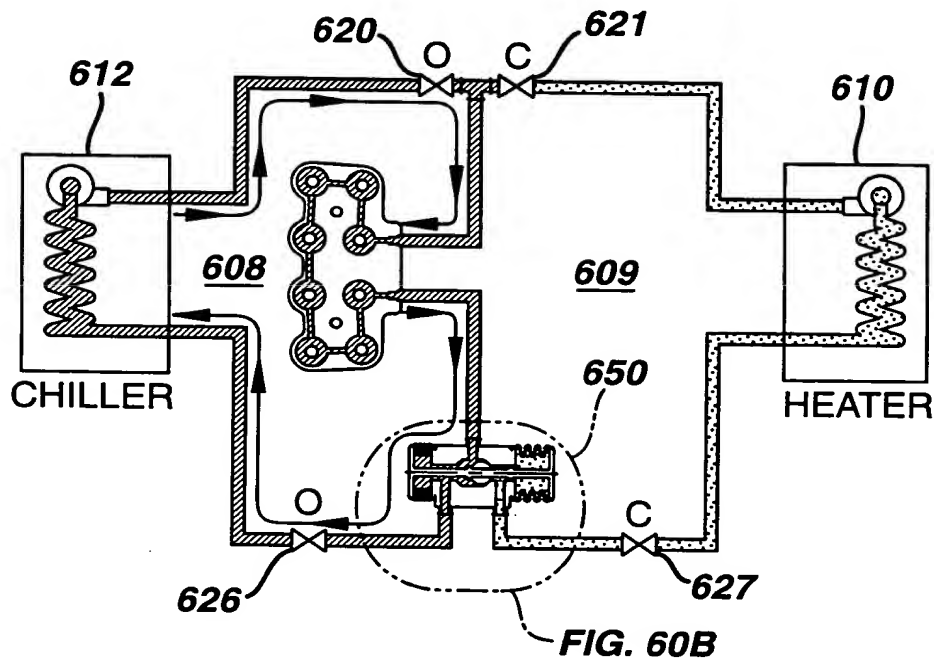
O= VALVE OPEN
C= VALVE CLOSED



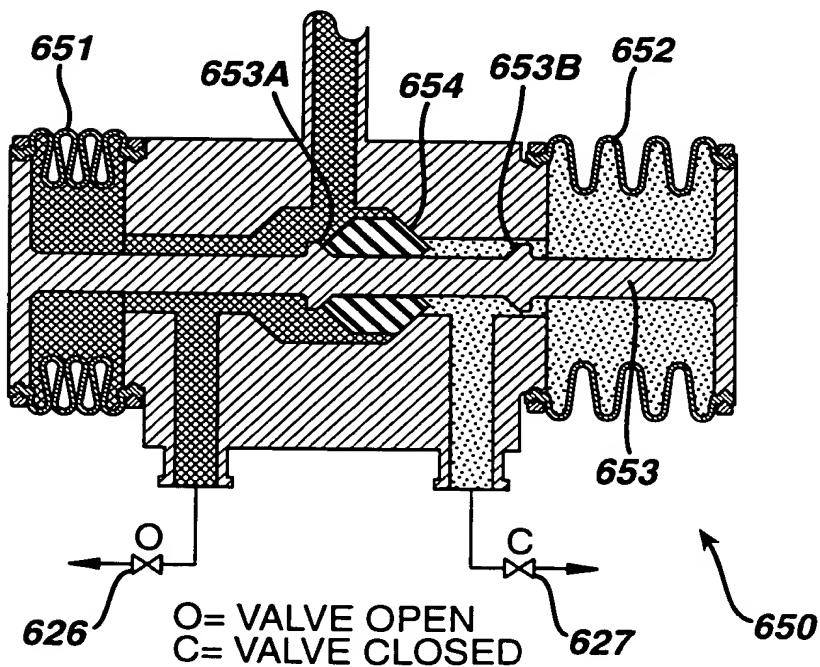
09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

57/80

FIG. 60A

O= VALVE OPEN
C= VALVE CLOSED

FIG. 60B

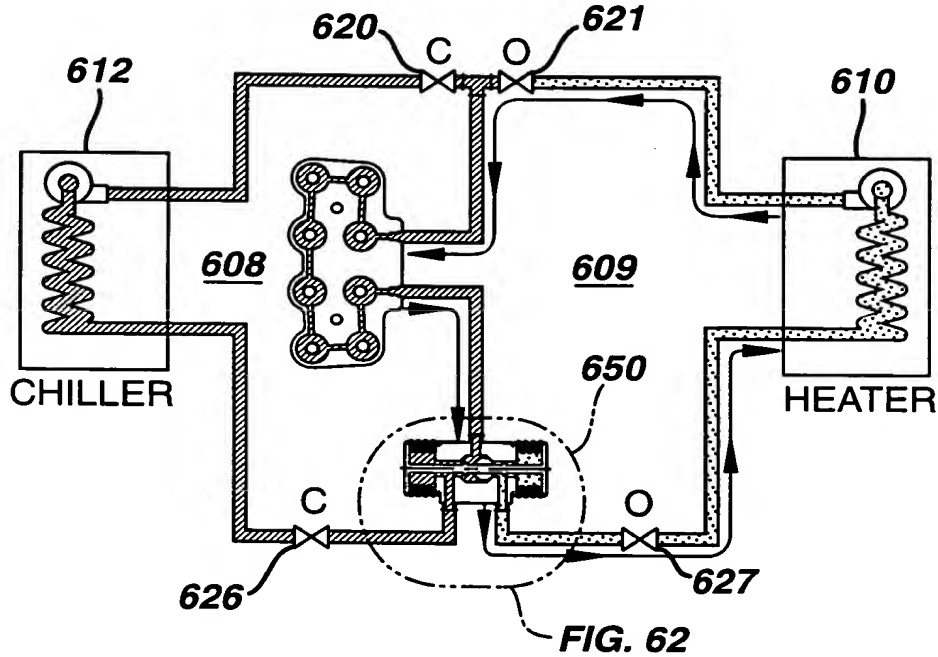
O= VALVE OPEN
C= VALVE CLOSED



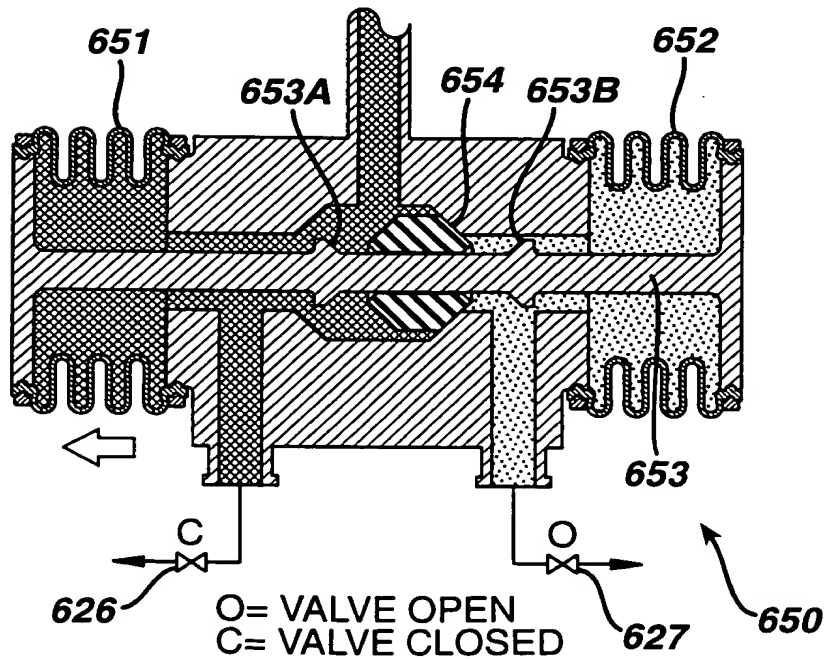
09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

58/80

FIG. 61

O= VALVE OPEN
C= VALVE CLOSED

FIG. 62

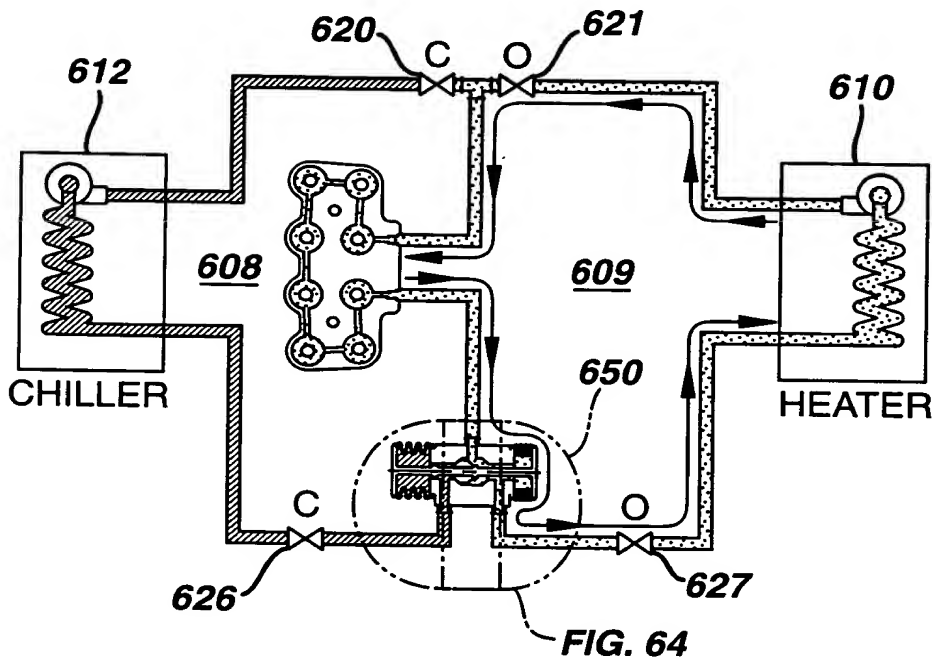
O= VALVE OPEN
C= VALVE CLOSED



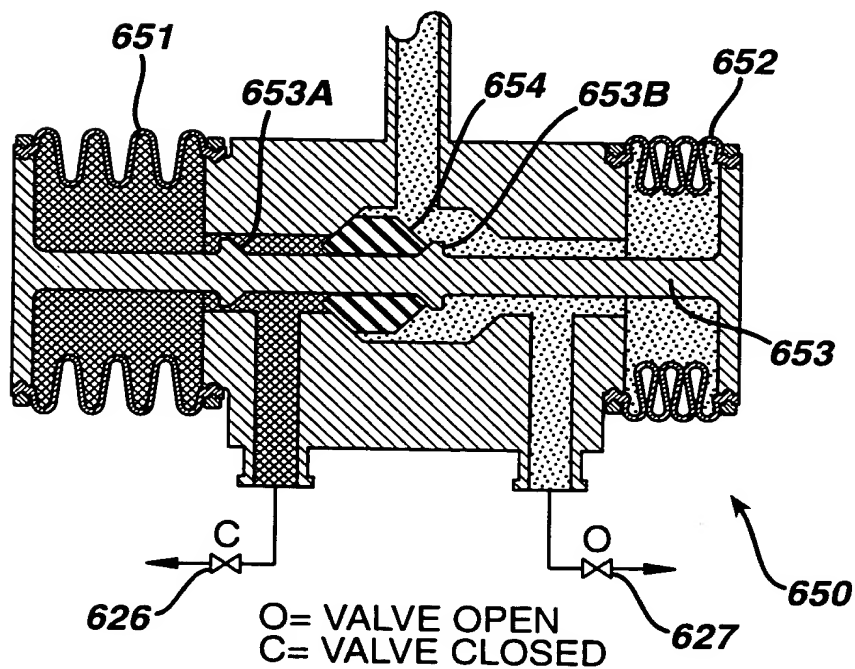
09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

59/80

FIG. 63

O= VALVE OPEN
C= VALVE CLOSED

FIG. 64

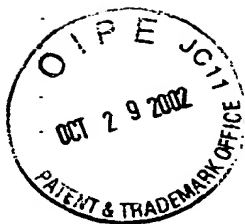
O= VALVE OPEN
C= VALVE CLOSED

60/80

The diagram illustrates a complex mechanical assembly, possibly a pump or valve mechanism, featuring a central rotating component (669) and several sliding/pivoting parts. Key labeled components include:

- 660**: A vertical shaft or rod at the top.
- 665A**: A sliding component on the upper shaft.
- 667A**, **667B**: Gears or cam profiles on the left side of the central wheel.
- 666A**, **666B**: Pivoting arms or levers connected to the central wheel.
- 606A**, **606B**: Sliding components on the lower shaft.
- 663A**, **663B**: Internal components or guides within the central assembly.
- 662**: A central circular component, possibly a bearing or seal.
- 661**: A large circular housing or chamber surrounding the central mechanism.

Arrows indicate the direction of movement: vertical sliding for 660, 665A, and 665B; rotational motion for 669; and pivoting/sliding motions for the other internal components.

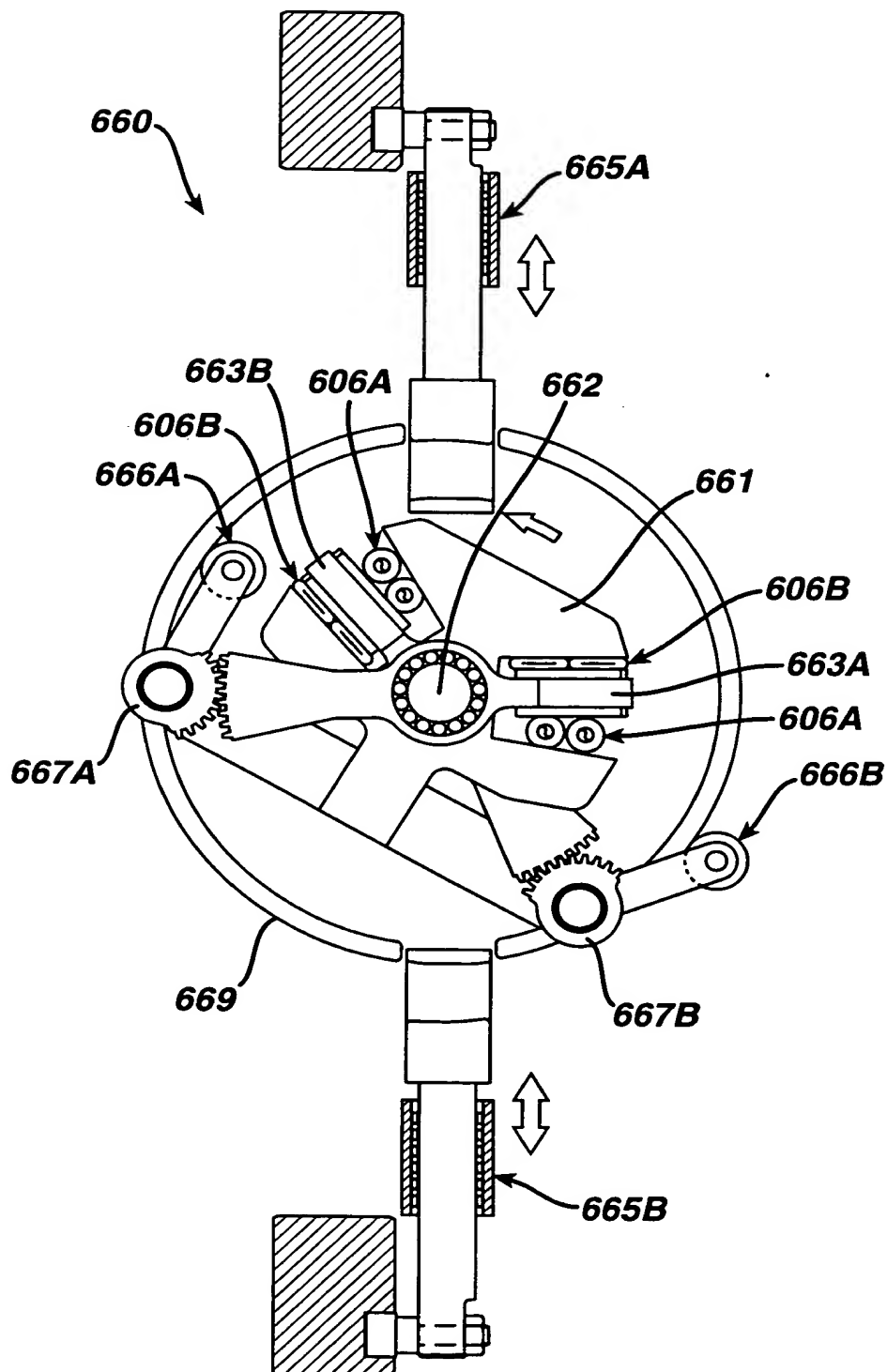


09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

61/80

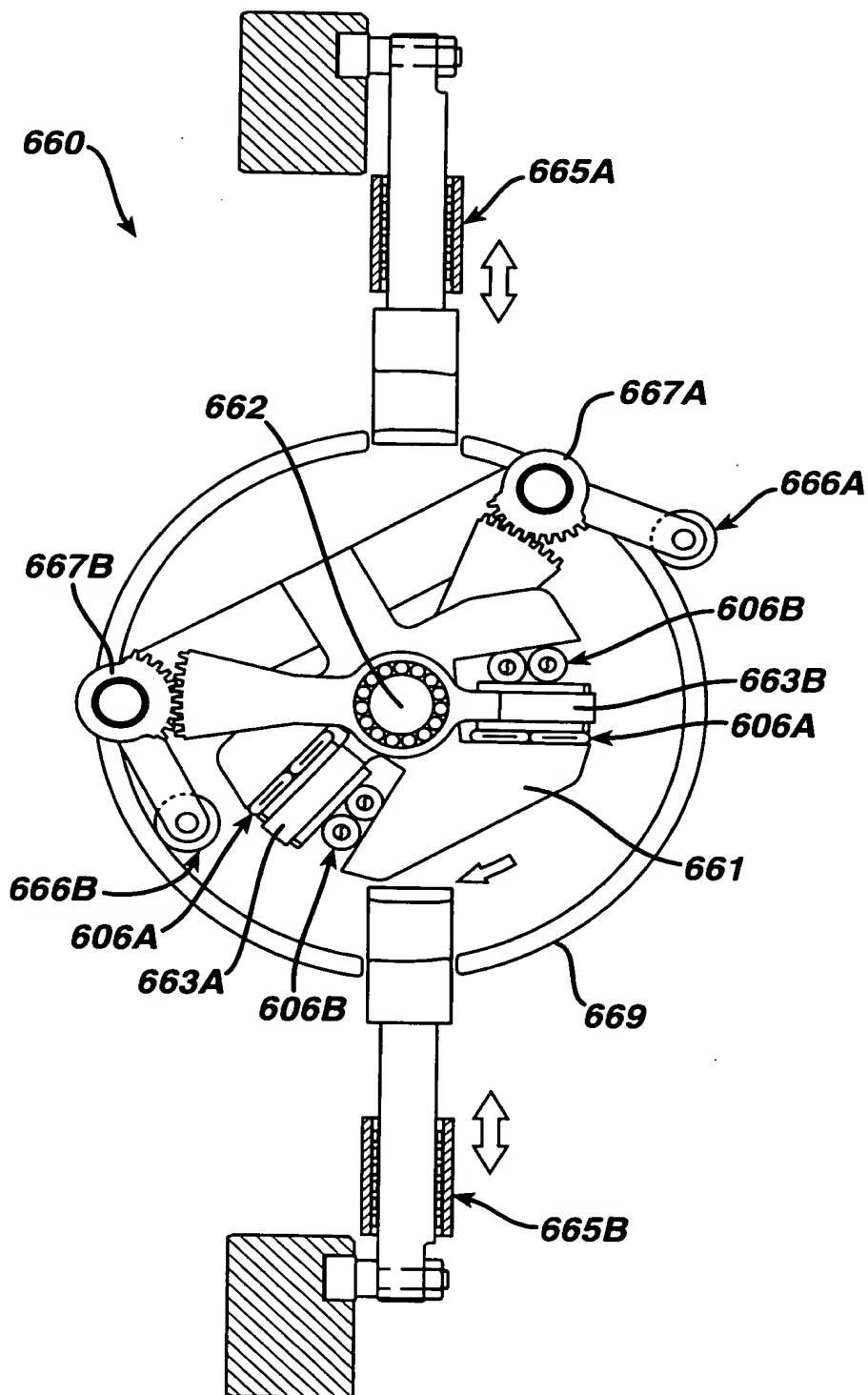
FIG. 66



TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

62/80

FIG. 67

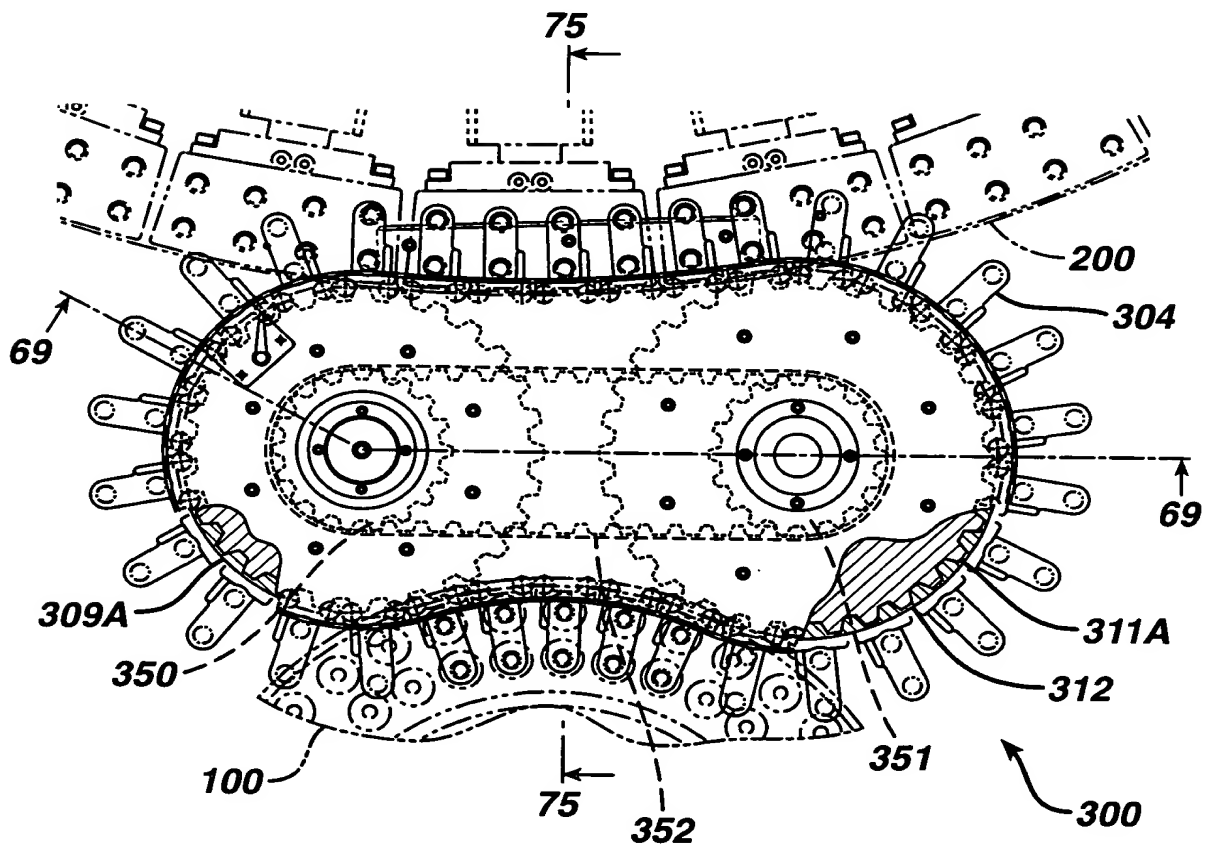




09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

63/80

FIG. 68

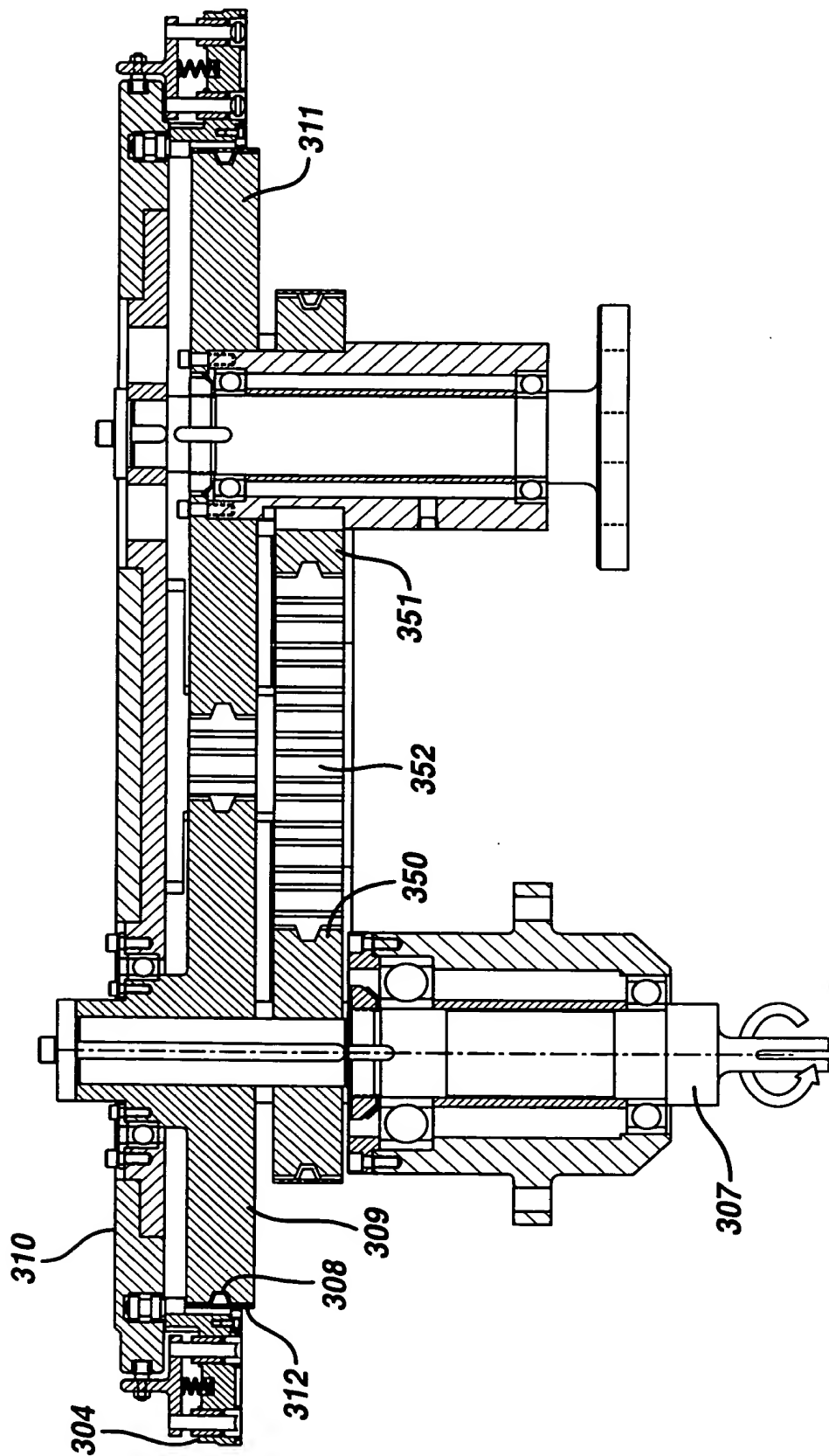


09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

64/80

FIG. 69





09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

65/80

FIG. 72

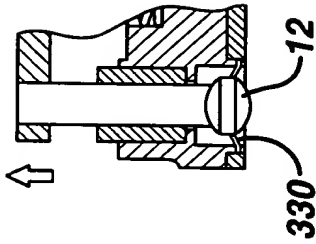


FIG. 73

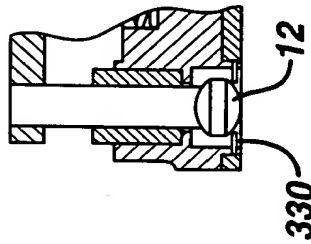


FIG. 74

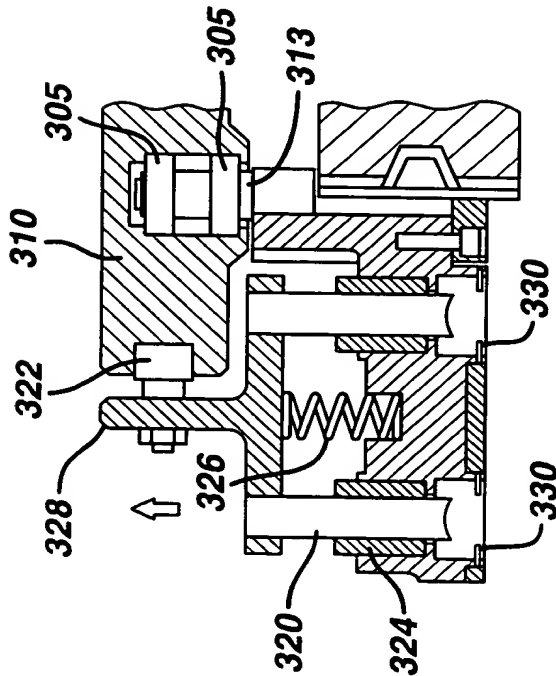
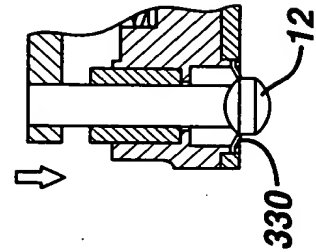


FIG. 70

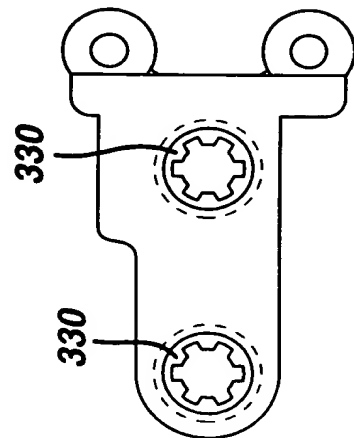


FIG. 71



09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

66/80

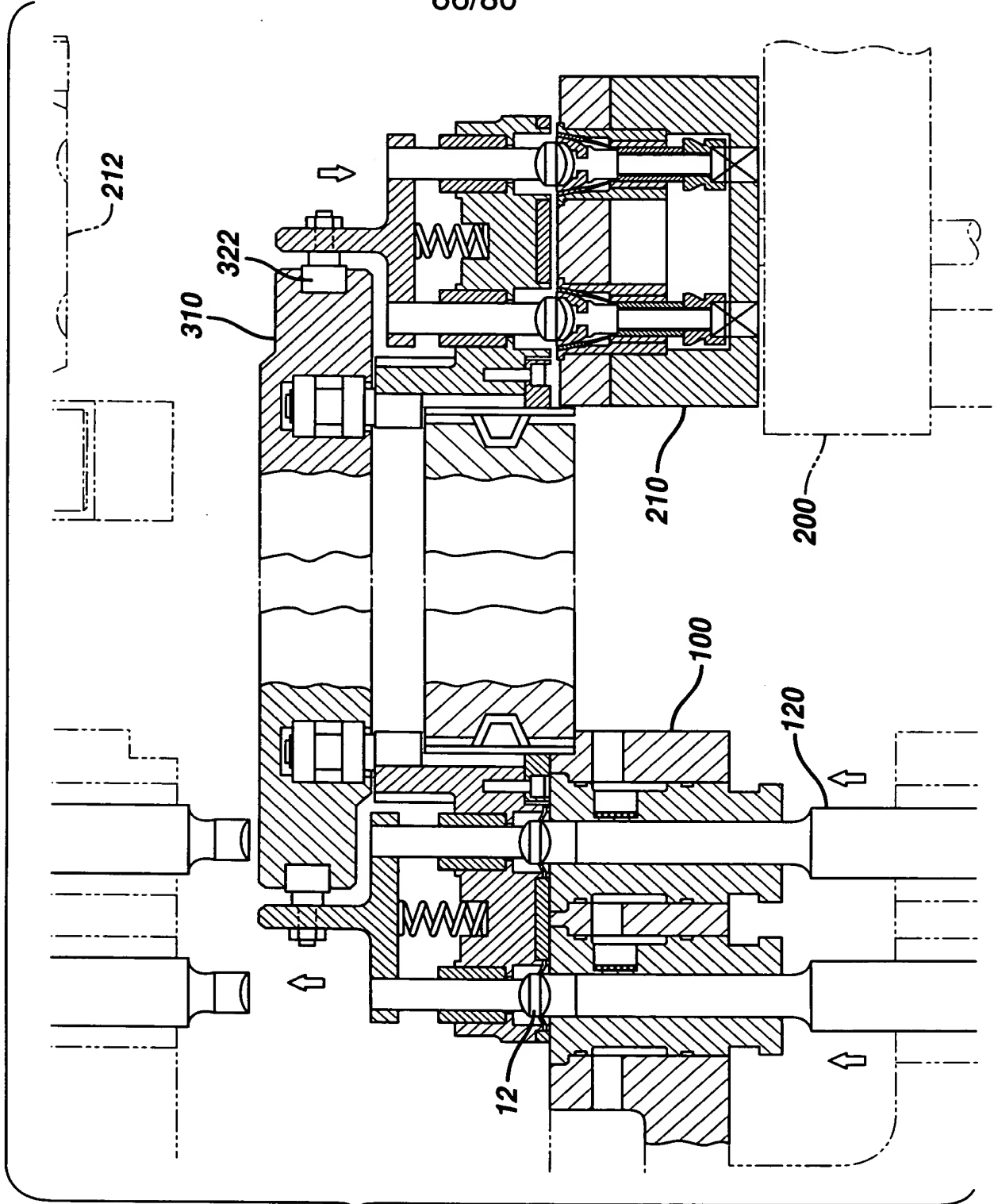


FIG. 75

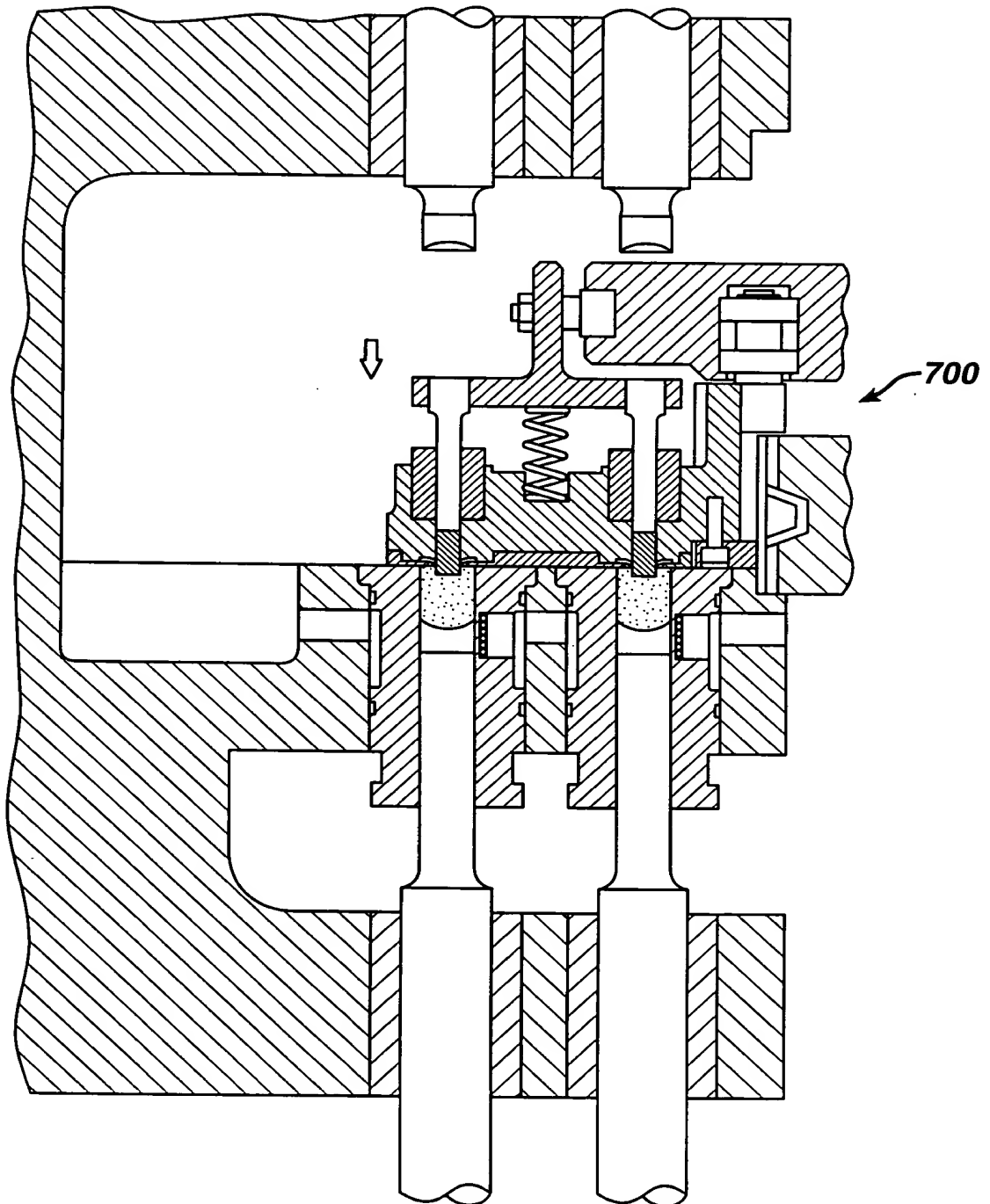


09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

67/80

FIG. 76



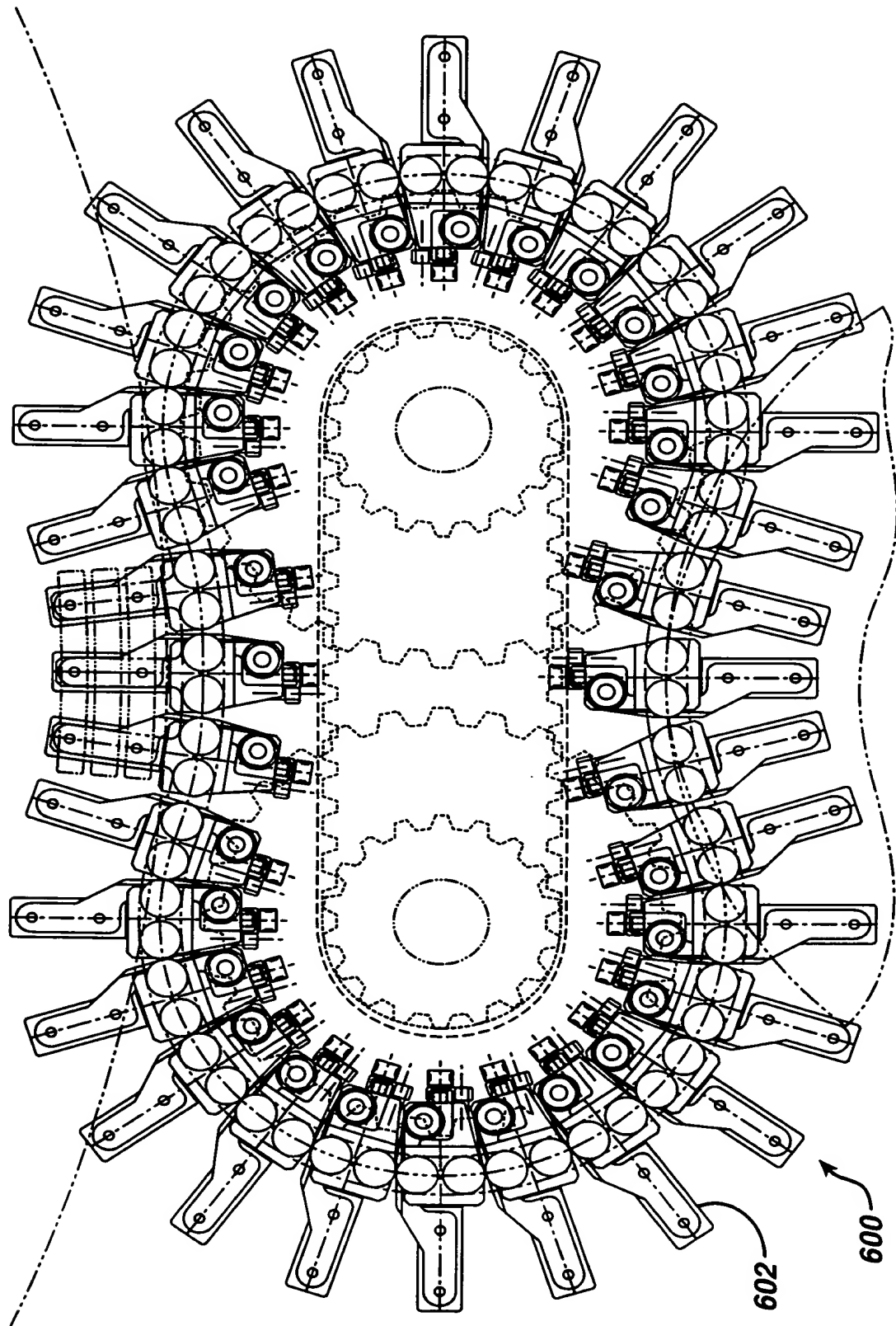


09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

68/80

FIG. 77



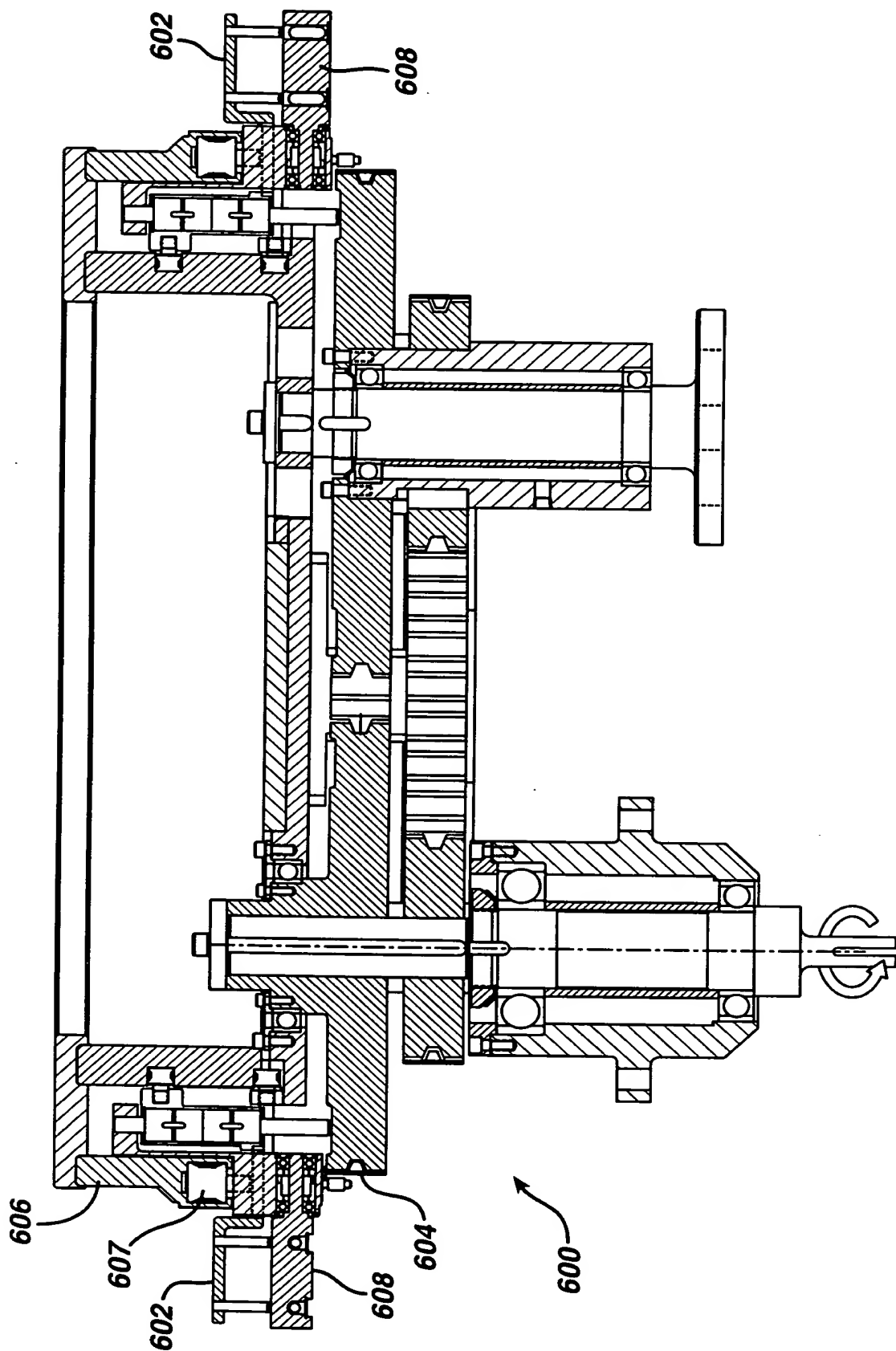


09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

69/80

FIG. 78



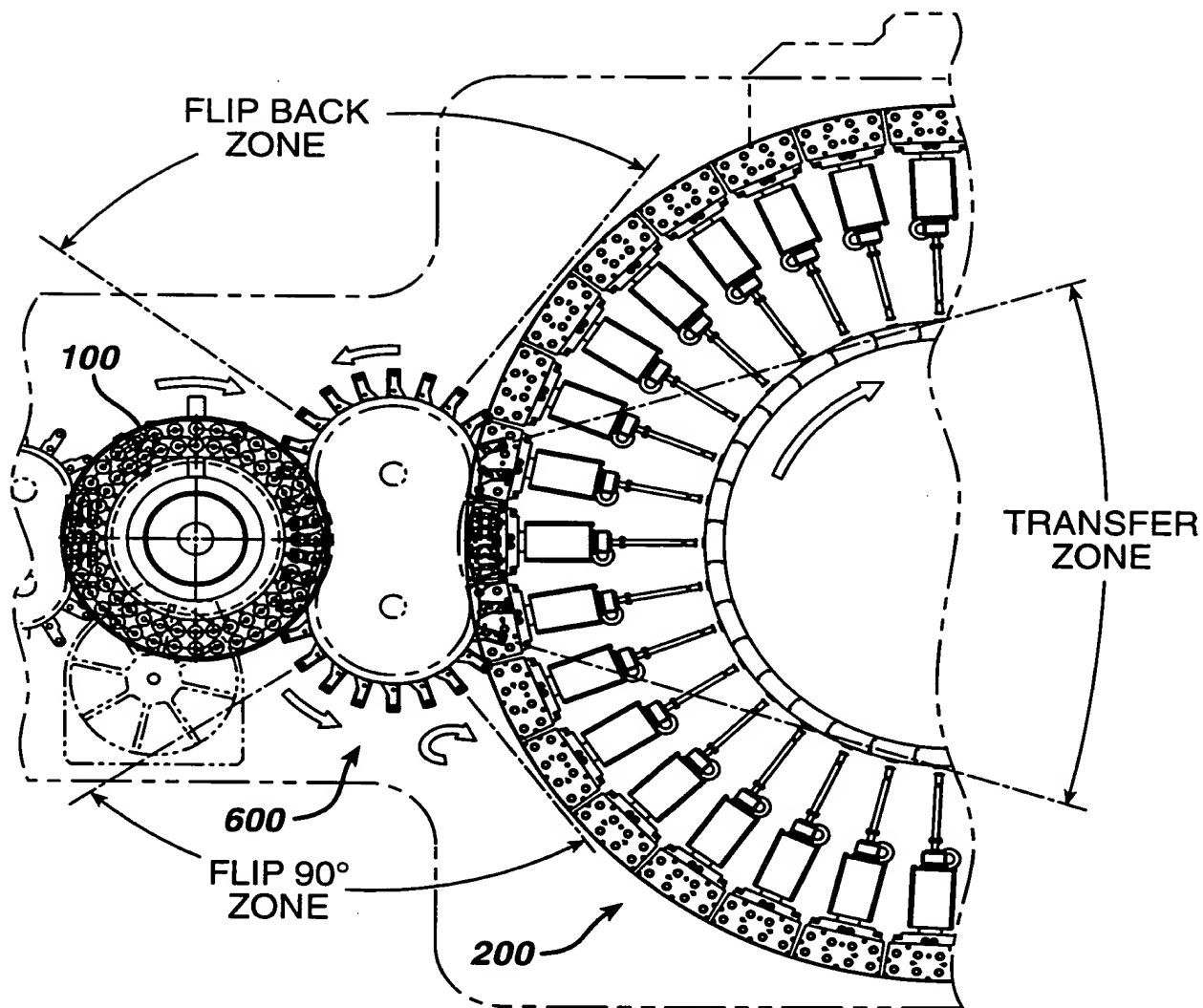


09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

70/80

FIG. 79



71/80

FIG. 6 is a cross-sectional view of a mechanical assembly, likely a valve or actuator, showing internal components and their interconnections. The assembly is housed within a main body 100. Key components include a central shaft 607, a piston 606, a valve 616, and a control mechanism 614. The assembly is secured by a cap 620. Other labeled parts include 612, 608, 690, 630, 624, 626, 628, 622 & 623, and 604.



09966497, 102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

72/80

FIG. 81D

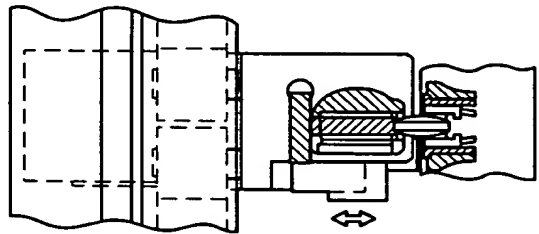


FIG. 81C

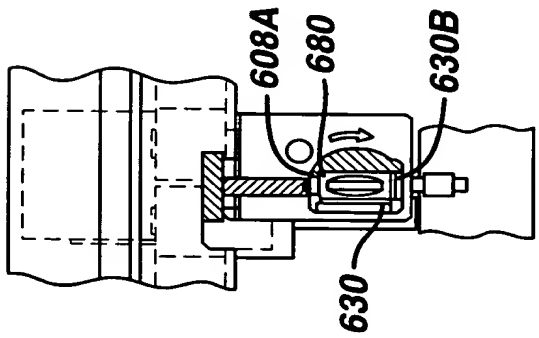


FIG. 81B

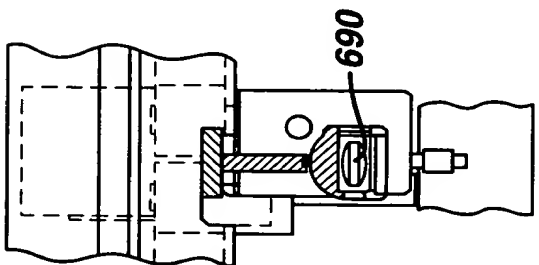
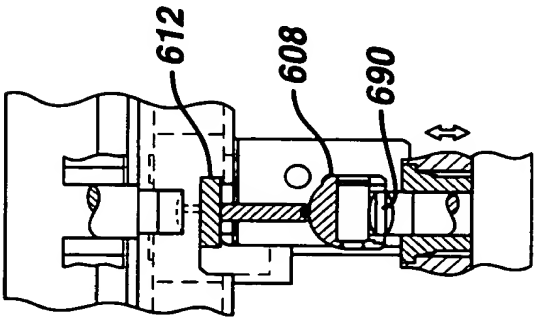


FIG. 81A





09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

73/80

FIG. 81G

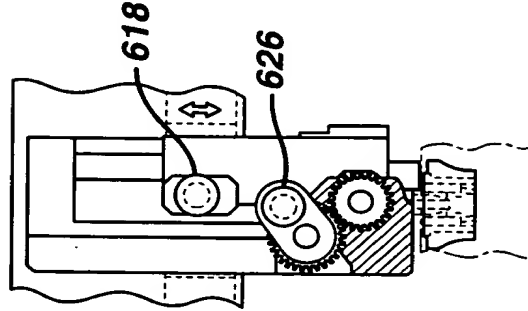


FIG. 81F

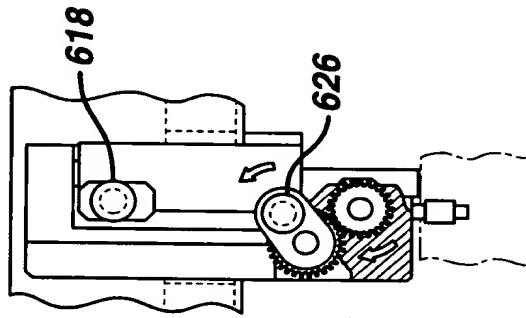
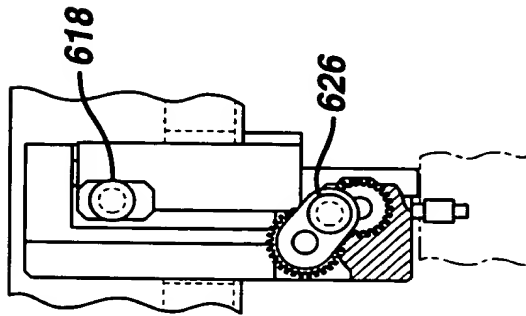


FIG. 81E

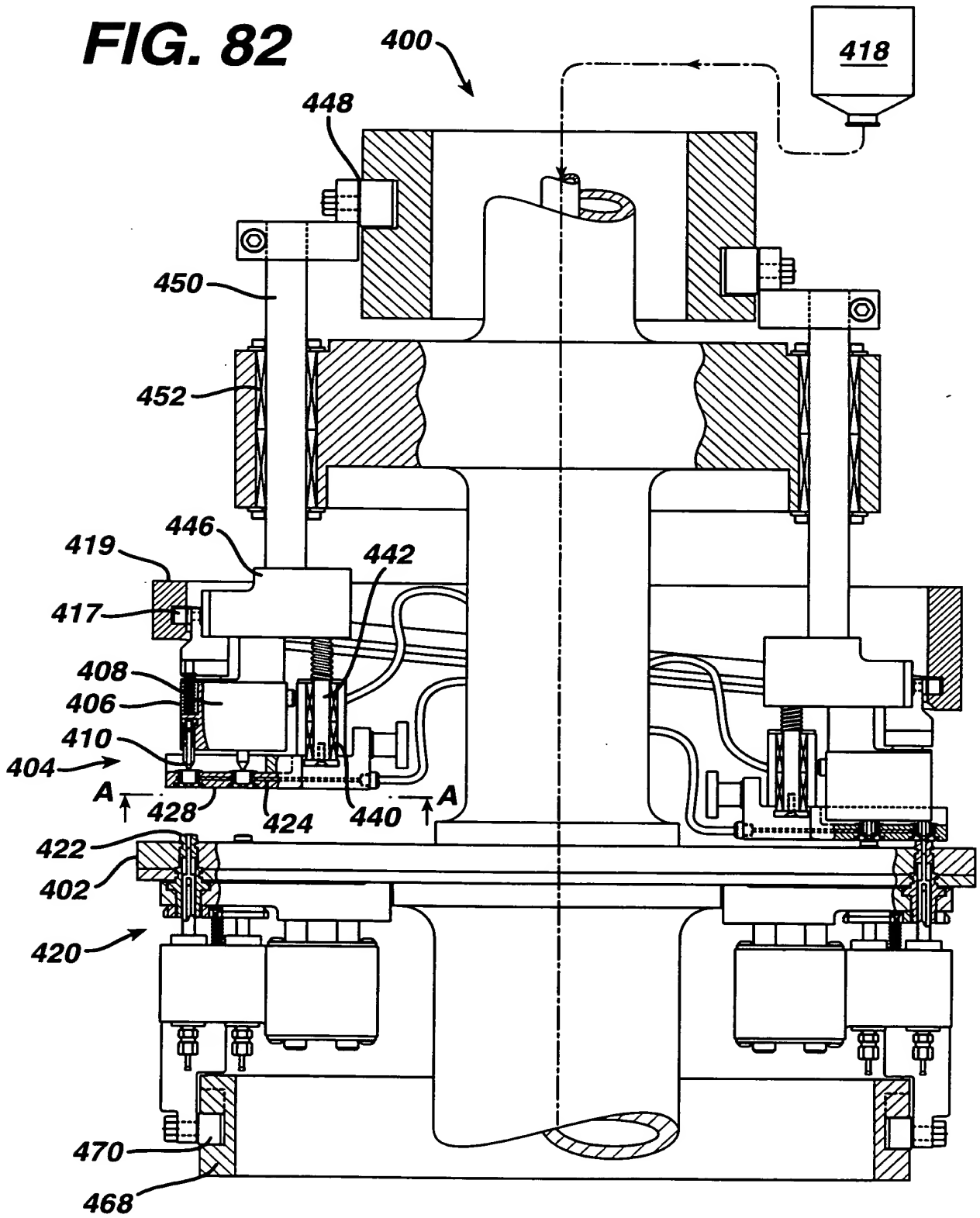




09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

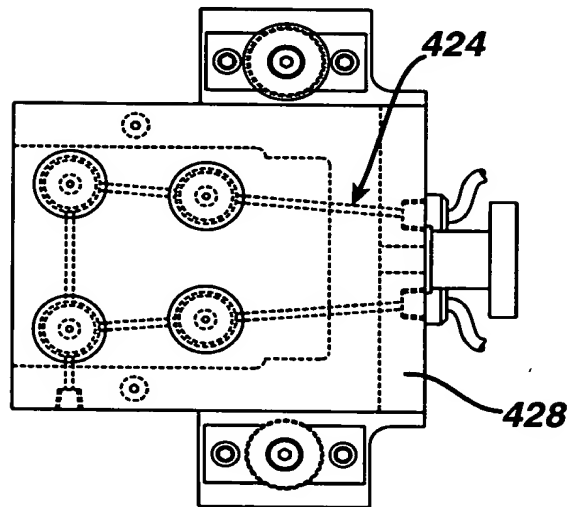
74/80

FIG. 82



TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

75/80

FIG. 82A

76/80

FIG. 10 is a cross-sectional view of a mechanical assembly. A central shaft is shown, connected to a handle on the left and a lever on the right. The lever is biased by two springs (414A and 414B) and has a stop (416). A curved arrow indicates the lever's movement.

This cross-sectional view shows a mechanical assembly. On the left, a component 419 is mounted on a base 417. A shaft 416 passes through a housing 406, which contains two springs 408. The shaft 416 is connected to a sliding component 412, which is shown with a double-headed arrow indicating its movement. The sliding component 412 is in contact with a fixed component 414, which has a curved surface 410. A pin 430 is also visible within the assembly.

PATENT & TRADEMARK OFFICE
 OCT 29 2002
 P.O. BOX 1100

09966497.102902

TITLE: THERMAL CYCLE MOLDING
 INVENTOR(S): Sowden, et al.
 APP#: 09/966,497
 ATTY: S. E. Hayner TEL. #: 732-524-2242
 DOCKET #: MCP-0294 CUST. #: 00002777

77/80

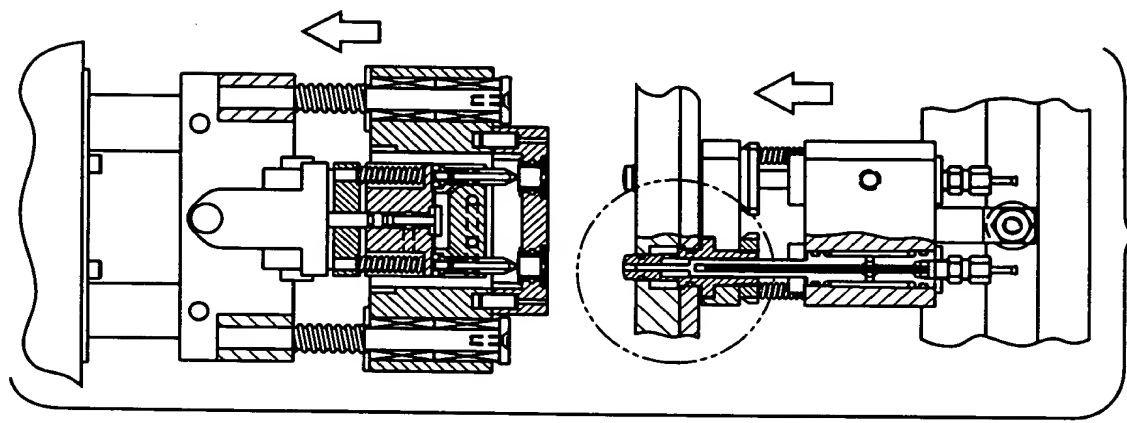


FIG. 85D

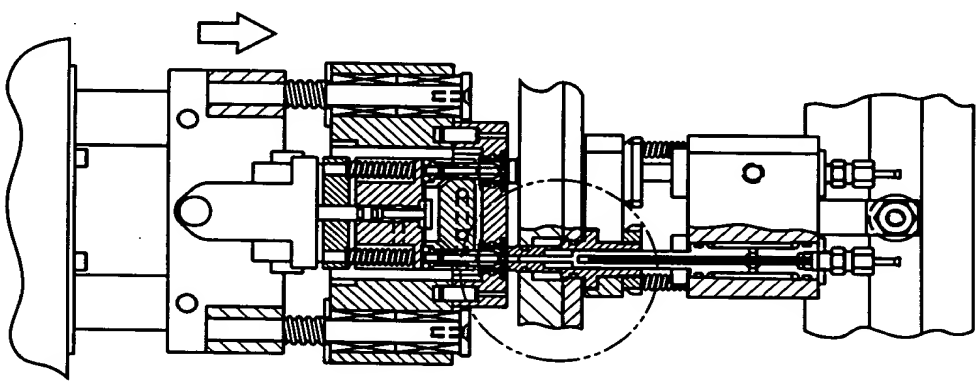


FIG. 85C

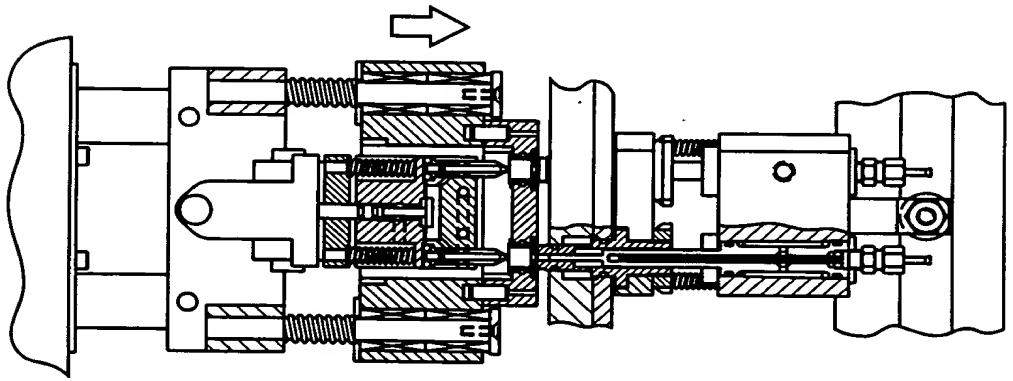


FIG. 85B

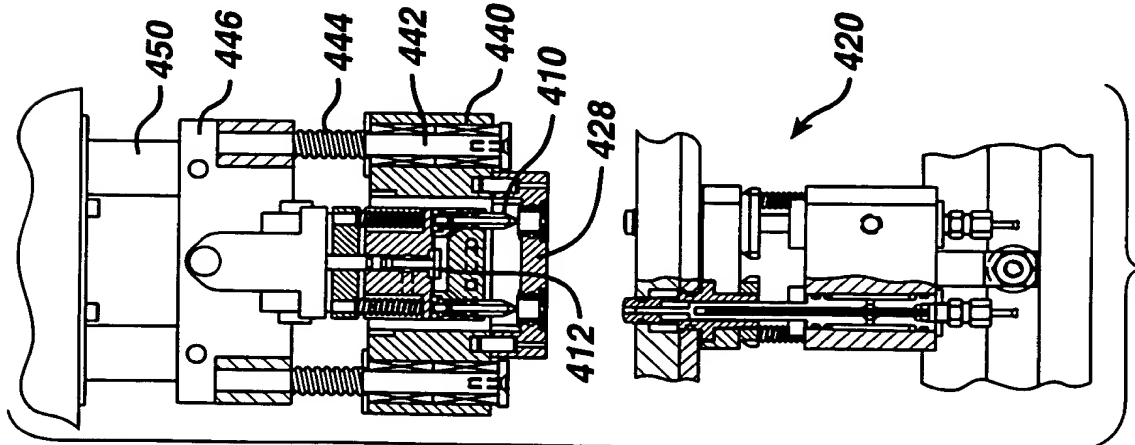


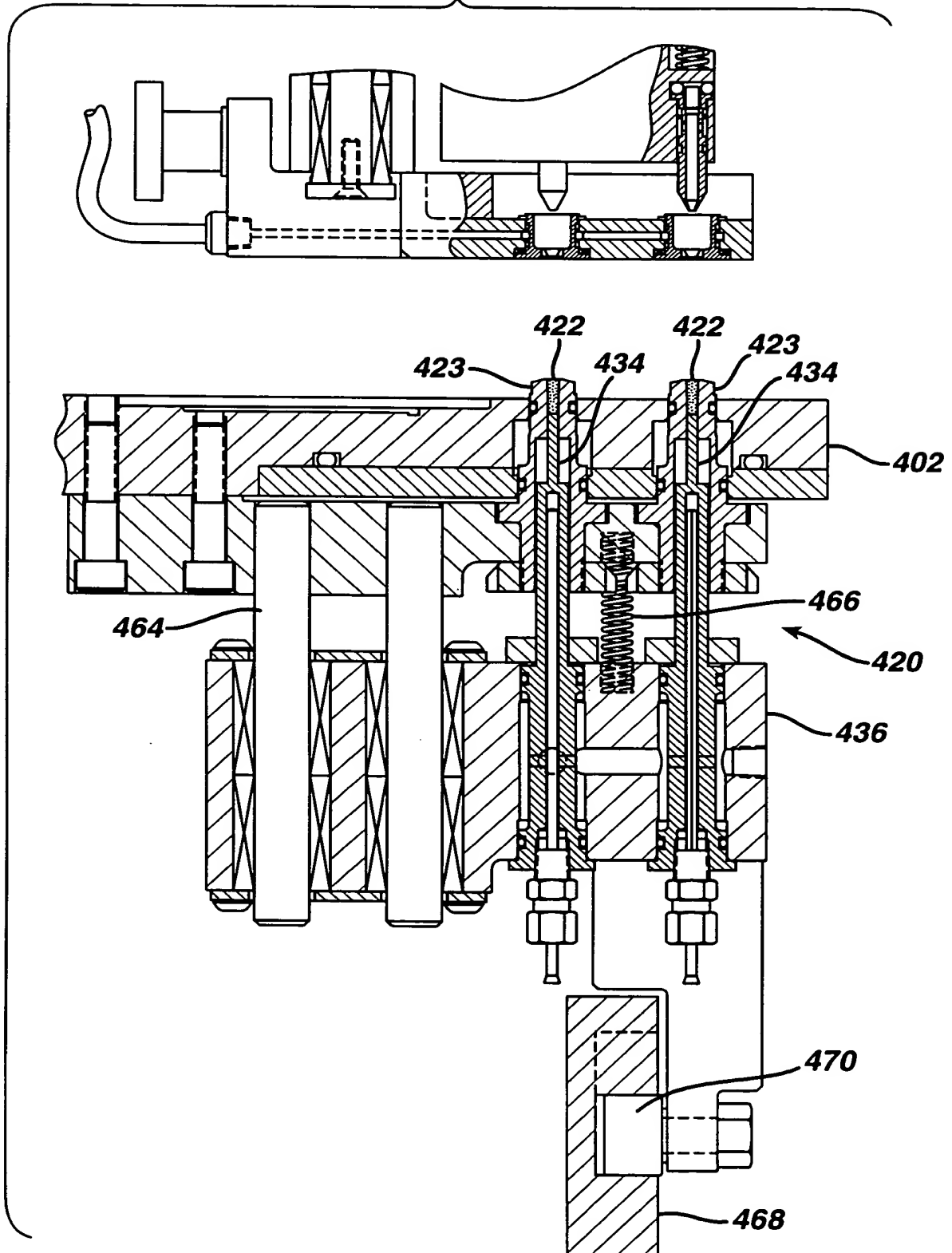
FIG. 85A

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner **TEL. #: 732-524-2242**
DOCKET #: MCP-0294 **CUST. #: 000027777**

TEL. #: 732-524-2242
CUST. #: 000027777

78/80

FIG. 86





09966497.102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

79/80

FIG. 88

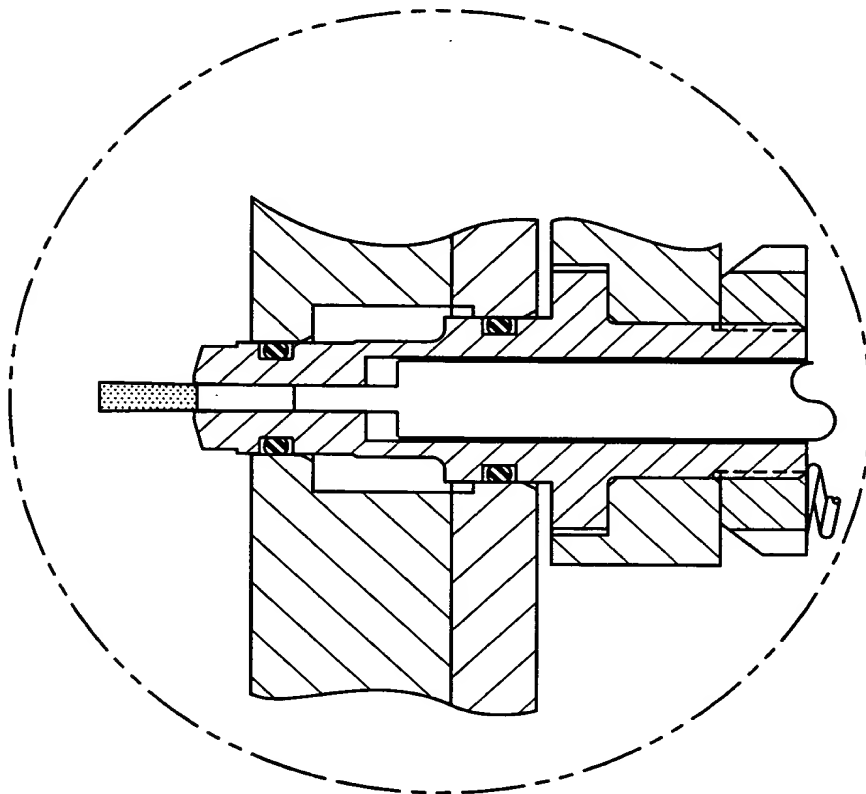
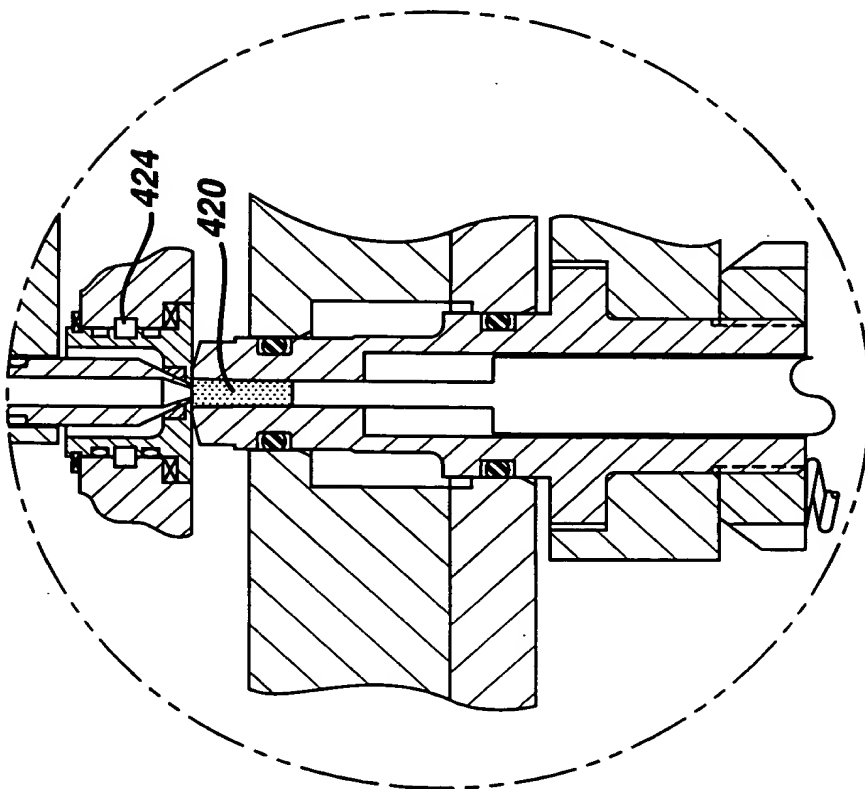


FIG. 87





09966497-102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

80/80

FIG. 89

